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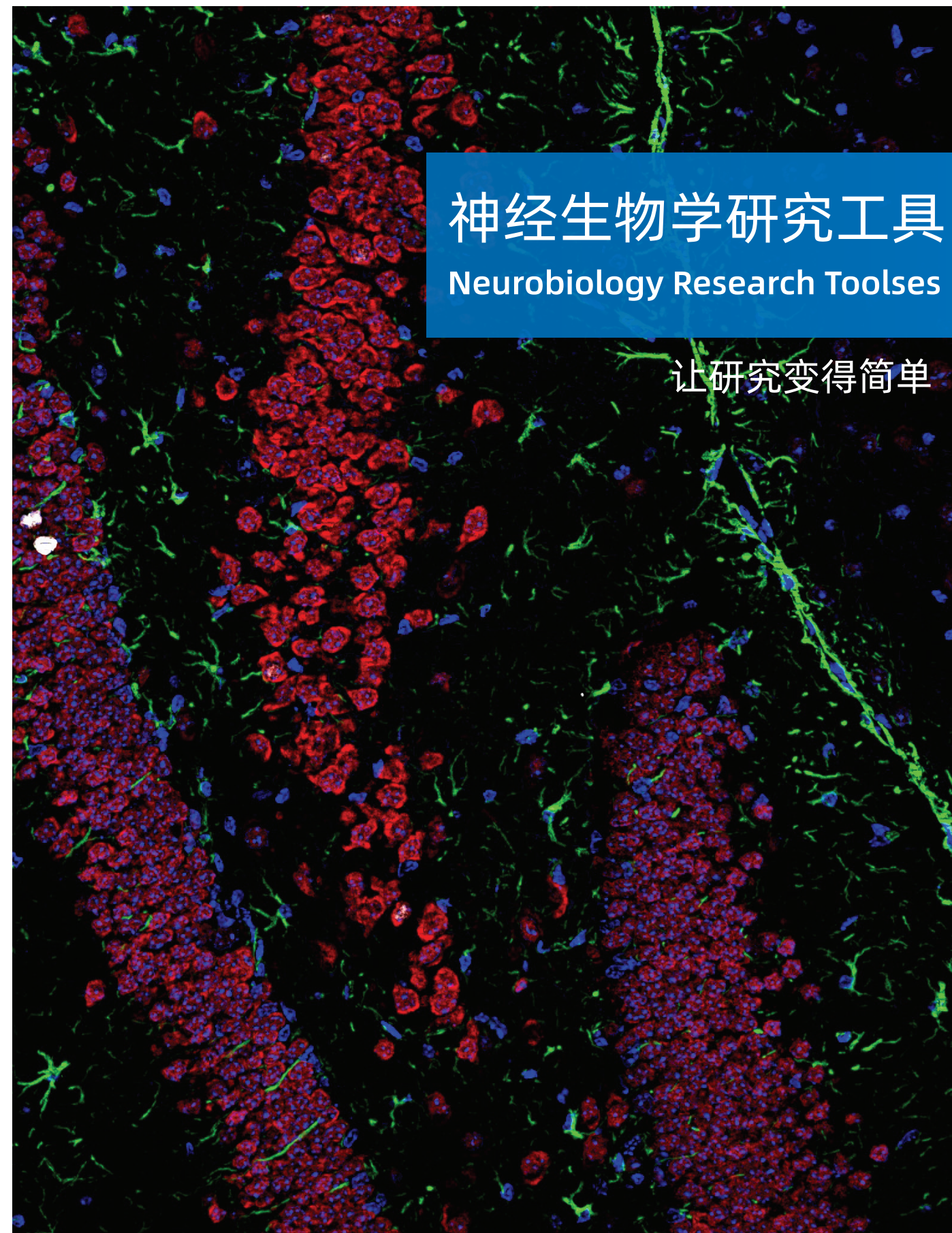
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神经生物学研究工具
Neurobiology Research Toolsets

让研究变得简单

 华安生物
H U A B I O

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随着影像学技术的发展，从静态到动态，从局部到整体，从单色到多色，让我们能在更自然的状态下、更高分辨率地“看见”大脑的精细结构和动态过程。此外，类器官等技术提供了研究人脑发育和疾病的宝贵模型。这些技术进步不仅深化了我们对大脑工作原理的认识，也为理解 and 治疗各种神经系统疾病带来了新的希望和工具，同时推动了脑机接口和类脑智能等相关领域的发展。

华安生物（HUABIO）致力于为脑科学研究提供高质量的产品和技术支持，助力科学家在这一领域的前沿突破。

神经科研产品核心特色与优势

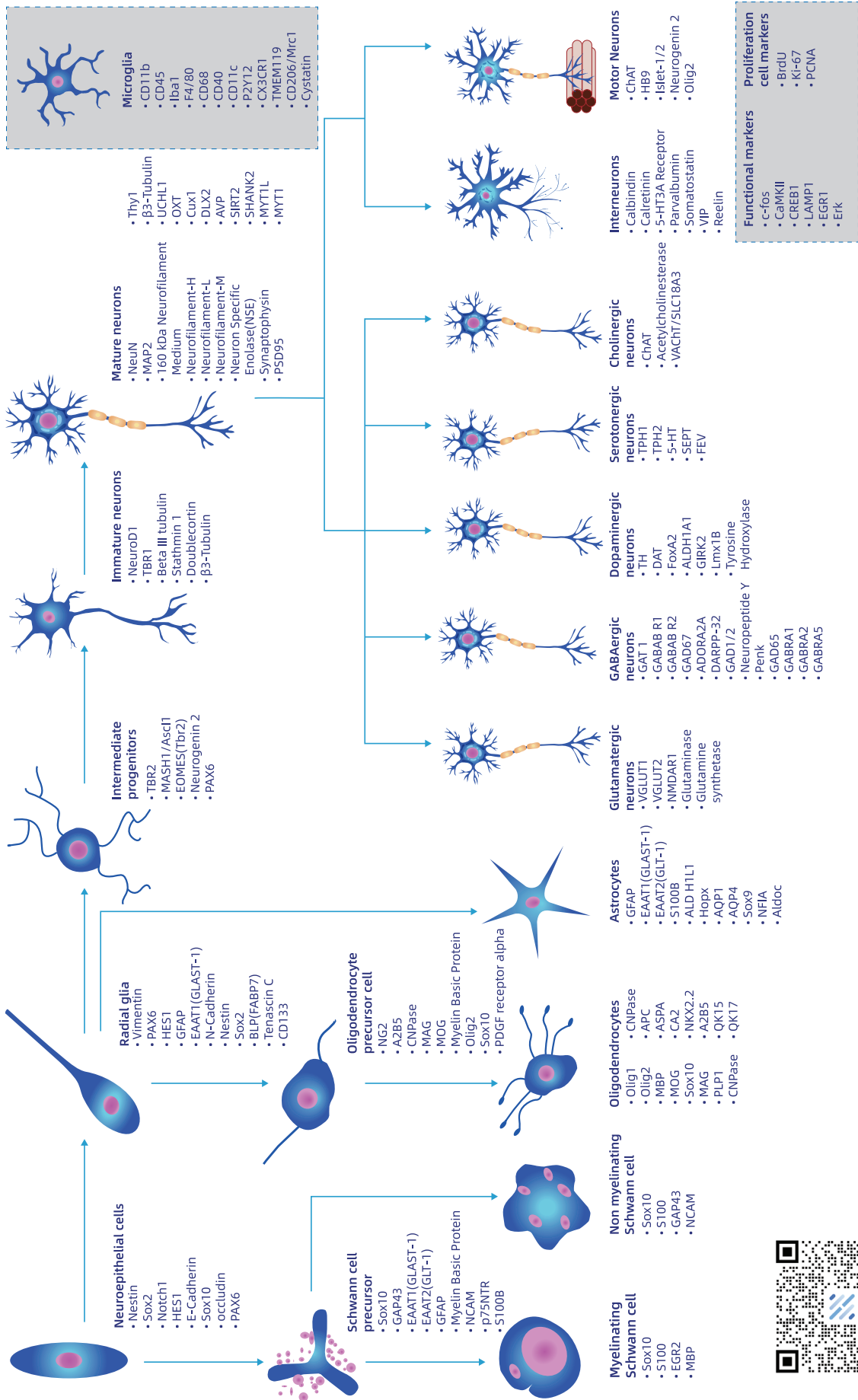
🧬 神经科研抗体 • 脑组织冰冻切片验证，高特异，低背景； • 宿主来源5+，支持mIHC检测； • 冰冻切片免疫荧光抗原无需修复，灵活兼容； • 广泛兼容性，适合复杂样本及不同种属检测。	🧬 配对抗体 • 高灵敏度，高稳定性； • 生物样本验证，保证特异性和一致性； • 高批次稳定性； • 自行搭配，灵活兼容。
📦 ELISA检测试剂盒 • 开盒即用，简化实验流程； • 高灵敏度，有效捕捉低丰度蛋白； • 高精密度，板间/板内CV < 6%； • 高稳定性，2-8℃有效保存18个月。	🧬 蛋白产品 • 真核系统表达，接近天然构象； • 高稳定性，高批间一致性； • 高纯度，低内毒素。

神经细胞标志物

神经标志物（Neural Biomarkers）是指能够特异性地标识神经细胞存在、状态及功能变化的生物学分子，在神经系统发育研究中发挥着不可替代的作用。通过追踪不同发育阶段特定神经标志物的表达动态，研究人员能够绘制神经系统发育图谱，揭示神经发生、迁移、分化和突触形成的基本规律。

神经标志物在临床诊断与鉴别诊断中具有重要价值。鉴于许多神经退行性疾病在临床症状出现前已有漫长的病理积累过程，早期生物标志物的检测成为实现早期干预的关键。

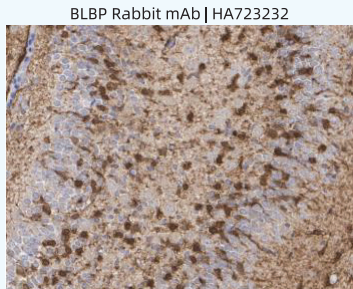
神经标志物的检测需要高特异性抗体工具和质量可控的实验方法。华安生物（HUABIO）提供了经过充分验证的抗体试剂，支持包括免疫荧光（IF）、多重免疫组化(mIHC)、免疫组化(IHC-P)、免疫印迹(WB)、流式细胞术(FC)等多种应用场景，为神经生物学研究提供了稳定可靠的研究工具。



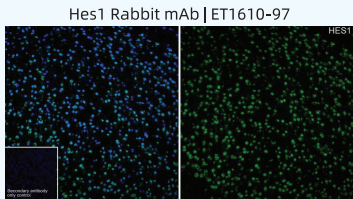
特色抗体推荐

Neural stem cells				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
BLBP	HA723232	Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
BLBP	HA601411	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
CD15	HA721246	H	IHC-P,mIHC,FC,IF-Cell	Rabbit mAb
CD24	HA723252	H	IF-Cell,FC	Rabbit mAb
Hes1	ET1610-97	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC	Rabbit mAb
Musashi 1	ET1606-51	H,Ms,P,Cmk	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Nestin	HA722919	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,IF-Tissue,mIHC,IP	Rabbit mAb
Nestin	HA601406	H,Ms,R	IHC-Fr,IHC-P,WB,IF-Cell	Rat mAb
Nestin	HA601468	H,Ms,R	IHC-Fr,WB	Guinea pig mAb
Notch 1	ET1606-55	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
CD133	HA722667	Ms	WB,IHC-P,IHC-Fr	Rabbit mAb
CD166	HA722705	H,Ms,R	WB,IHC-P,FC,IHC-Fr	Rabbit mAb
Neuroepithelial cells				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
BRG1	ET1611-85	H,Ms,R,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr,FC	Rabbit mAb
E-Cadherin	ET1607-75	H,Cmk	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP,mIHC	Rabbit mAb
E-Cadherin	HA601143	H,Ms,R	WB,IHC,mIHC	Mouse mAb
E-Cadherin	ER63312	H,Ms,R	WB,IHC-P,IF-Cell,IHC-Fr,FC	Rabbit pAb
E-Cadherin	HA723564	H,Ms,R	WB,IHC-Fr,IHC-P,IF-Cell,FC,IP	Rabbit mAb
Hes1	ET1610-97	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC	Rabbit mAb
Notch 1	ET1606-55	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Occludin	ET1701-76	H,Ms,R,Cmk,P	WB,IP,FC,IF-Cell,IHC-P,IHC-Fr	Rabbit mAb
SOX1	HA723215	H,Ms,R,Cmk,P	WB,IHC-Fr,IHC-P	Rabbit mAb
SOX2	HA721155	H,Ms,R,Cmk,P	IHC-P,WB,IF-Cell,ChIP,IHC-Fr,IF-Tissue	Rabbit mAb
SOX2	HA601396	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
SOX2	HA601499	Ms	IHC-Fr	Chicken mAb
SOX2	HA601500	H,Ms	IHC-Fr,WB	Guinea pig mAb
ZO1	HA722797	H,Ms,R,Mk,Cmk	WB,IF-Cell,IHC-P	Rabbit mAb
Nestin	HA601406	H,Ms,R	IHC-Fr,IHC-P,WB,IF-Cell	Rat mAb
Nestin	HA601468	H,Ms,R	IHC-Fr,WB	Guinea pig mAb
Nestin	HA722919	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,IF-Tissue,mIHC,IP	Rabbit mAb
SOX10	HA601413	Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Tissue	Rat mAb

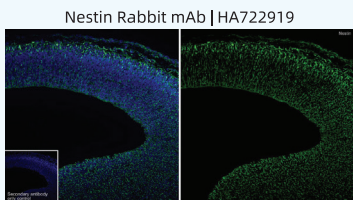
Neural stem cells



IHC-P staining with mouse P7 brain tissue (1/2,000 dilution)

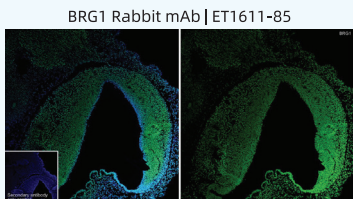


IHC-Fr staining with mouse cerebellum tissue (1/500 dilution)

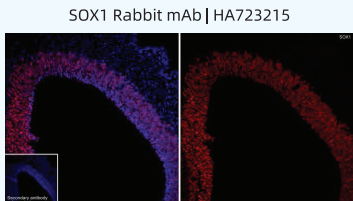


IHC-Fr staining with mouse E14.5 embryonic brain tissue (1/500 dilution)

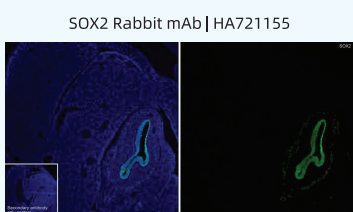
Neuroepithelial cells



IHC-Fr staining with mouse E14.5 embryo tissue (1/1,000 dilution)



IHC-Fr staining with mouse E14.5 embryo brain tissue (1/500 dilution)

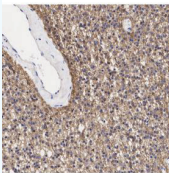


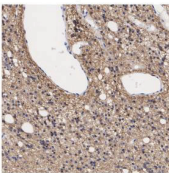
IHC-Fr staining with mouse E14.5 embryo tissue (1/1,000 dilution)

Neuroepithelial cells				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
SOX10	HA721240	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,FC,IHC-Fr,IP	Rabbit mAb
Schwann cells				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
GAP43	ET1610-94	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Rabbit mAb
CD56	HA722755	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Cell,FC,IF-Tissue	Rabbit mAb
S100 beta	ET1610-3	H,Ms,R,Z,G,Cmk,Gmk,P,Rb	WB,IF-Tissue,IHC-P,IHC-Fr,IF-Cell,FC,IP	Rabbit mAb
EAAT1	ET1704-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
EAAT2	HA601403	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
EAAT2	HA601503	Ms	IHC-Fr	Chicken mAb
EAAT2	HA601504	Ms,R	IHC-Fr,WB	Guinea pig mAb
EAAT2	HA721323	Ms,R,H	WB,IHC-P,IHC-Fr	Rabbit mAb
GFAP	EM140707	H,R	WB,IHC-P,IF-Tissue,IHC-Fr	Mouse mAb
GFAP	ET1601-23	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC,IP	Rabbit mAb
GFAP	HA601380	H,Ms,R	WB,IHC-Fr,IHC-P	Mouse mAb
GFAP	HA601483	Ms,R	IHC-Fr,WB	Rat mAb
Myelin Basic Protein	ET1702-15	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC	Rabbit mAb
p75 NGF Receptor	ET1601-22	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb
p75 NGF Receptor	HA601436	Ms,R	IHC-Fr,WB	Rat mAb
Radial glia				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
BLBP	HA721524	H	WB,IHC-P	Rabbit mAb
BLBP	HA601411	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
EAAT1	ET1704-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
HES1	ET1610-97	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC	Rabbit mAb
HES5	HA722699	H,Ms,R,Cmk,P	WB,IHC-P	Rabbit mAb
N Cadherin	ET1607-37	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
N Cadherin	HA601464	H,Ms,R	IHC-Fr,IHC-P	Mouse mAb
Pan-Cadherin	ET1609-70	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,IHC-Fr	Rabbit mAb
PAX6	ET1612-58	H,Ms,R	WB,IHC-P,FC,mIHC,IF-Cell,IF-Tissue,IHC-Fr	Rabbit mAb
SOX2	HA721155	H,Ms,R,Cmk,P	IHC-P,WB,IF-Cell,ChIP,IHC-Fr,IF-Tissue	Rabbit mAb
SOX2	HA601396	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
SOX2	HA601499	Ms	IHC-Fr	Chicken mAb
SOX2	HA601500	H,Ms	IHC-Fr,WB	Guinea pig mAb

Schwann cells

GAP43 Rabbit mAb | ET1610-94

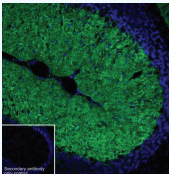


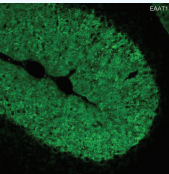


1/10,0001/3,000

IHC-P staining with human glioma tissue (1/10,000 dilution)

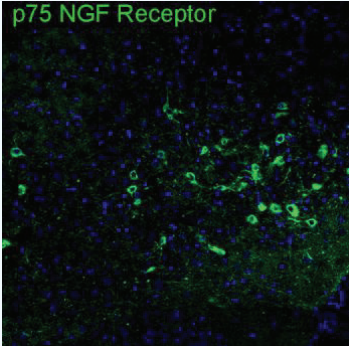
EAAT1 Rabbit mAb | ET1704-54





IHC-Fr staining with rat cerebellum tissue (1/500 dilution)

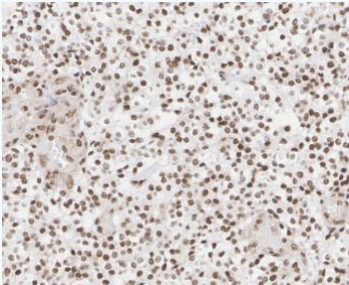
p75 NGF Receptor Rat mAb | HA601436



IHC-Fr staining with mouse brain tissue (medial septum、1/200 dilution)

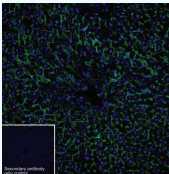
Radial glia

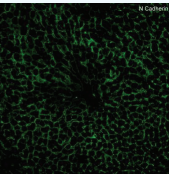
HES5 Rabbit mAb | HA722699



IHC-P staining with human glioblastoma tissue (1/1,000 dilution)

N Cadherin Mouse mAb | HA601464



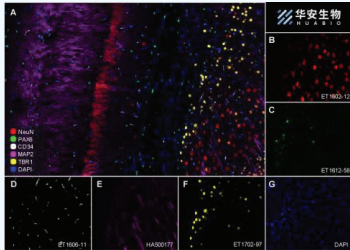


IHC-Fr staining with rat liver tissue (1/500 dilution)

Radial glia				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Tenascin C	ET1608-50	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Vimentin	ET1610-39	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC,IP	Rabbit mAb
Vimentin	HA721174	H,Ms,R	WB,IHC-P,IF-Cell,FC,IF-Tissue,mIHC	Rabbit mAb
Vimentin	EM0401	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue,IHC-Fr,IP	Mouse mAb
Oligodendrocytes				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Aquaporin 4	HA722672	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,IP	Rabbit mAb
Aquaporin 4	HA601460	Ms	IHC-Fr	Chicken mAb
Aquaporin 4	HA601461	Ms	IHC-Fr,WB	Guinea pig mAb
Aquaporin 4	HA601462	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
ASPA	HA722941	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
ASPA	HA601430	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
Carbonic anhydrase 2	HA601241	H	WB,IF-Cell,IHC-P	Mouse mAb
Carbonic anhydrase 2	ET1706-47	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
CNPase	ET1702-46	H,Ms,R,Cmk	WB,IHC-P,IF-Tissue	Rabbit mAb
MAG	HA721818	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IP,IHC-Fr	Rabbit mAb
MAG	HA601414	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB,IF-Tissue	Rat mAb
MAG	HA601509	Ms,R	IHC-Fr,WB	Chicken mAb
MAG	HA601510	Ms,R	IHC-Fr,WB	Guinea pig mAb
MOG	ET1705-16	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Myelin Basic Protein	ET1702-15	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC	Rabbit mAb
Myelin PLP	HA722964	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Myelin PLP	HA601407	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
Myelin PLP	HA500573	Ms,R	IHC-Fr,WB	Chicken pAb
Myelin PLP	HA601469	Ms,R	IHC-Fr,WB	Guinea pig mAb
Myelin PLP	HA601470	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
NG2	ET1703-16	H,Ms,R	WB,IHC-P	Rabbit mAb
Olig2	ET1604-29	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,mIHC,IF-Cell	Rabbit mAb
PDGFR alpha	ET1702-49	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
QKI	HA601377	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,IP	Mouse mAb
QKI-5	HA601378	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Mouse mAb
QKI-5	HA601501	Ms,R	IHC-Fr,WB	Guinea pig mAb
QKI-5	HA723587	Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb

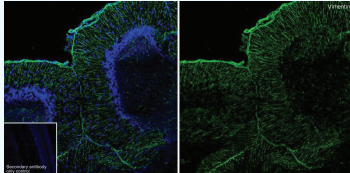
Radial glia

PAX6 Rabbit mAb | ET1612-58



mIHC staining with mouse brain tissue (1/1,000 dilution, green)

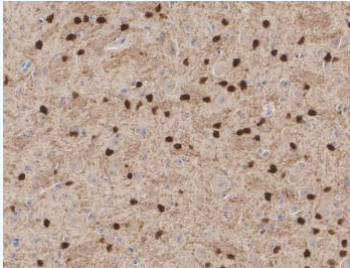
Vimentin Rabbit mAb | ET1610-39



IHC-Fr staining with mouse cerebellum tissue (1/2,000 dilution)

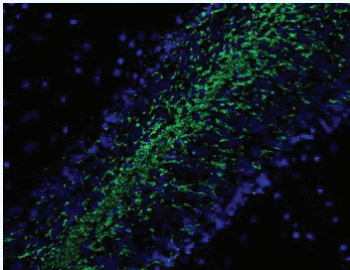
Oligodendrocytes

ASPA Rat mAb | HA601430



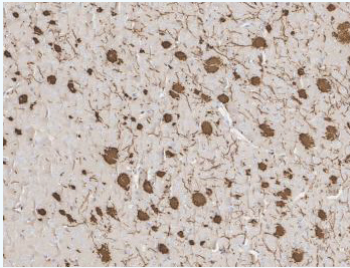
IHC-P staining with mouse brain tissue (1/2,000 dilution)

MAG Chicken IgY mAb | HA601509



IHC-Fr staining with mouse cerebellum tissue (1/200 dilution)

MBP Rabbit mAb | ET1702-15



IHC-P staining with mouse striatum tissue (1/1,000 dilution)

Oligodendrocytes				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
QKI-6	HA601379	Ms,R,Cmk	WB,IHC-P,IHC-Fr	Mouse mAb
QKI-6	HA601502	Ms,R	IHC-Fr,WB	Guinea pig mAb
QKI-6	HA723588	Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
QKI-7	HA601387	Ms,R,Cmk,P	WB	Mouse mAb
SOX10	HA721240	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,FC,IHC-Fr,IP	Rabbit mAb
SOX10	M1311-1	Ms	WB,IHC-P	Mouse mAb
SOX10	HA601413	Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Tissue	Rat mAb

Astrocytes				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ALDH1L1	ET7106-64	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
AQP1	ET1703-34	H,Ms,R,Cmk,P	WB,IF-Tissue,IHC-P,mIHC	Rabbit mAb
Aquaporin 2	HA723077	H,Ms,R	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Axl	HA722740	H,Mk	WB,IF-Cell,FC	Rabbit mAb
Connexin 43	HA721312	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
EAAT1	ET1704-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
EAAT2	HA721323	Ms,R,H	WB,IHC-P,IHC-Fr	Rabbit mAb
EAAT2	HA601403	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
EAAT2	HA601503	Ms	IHC-Fr	Chicken mAb
EAAT2	HA601504	Ms,R	IHC-Fr,WB	Guinea pig mAb
GFAP	ET1601-23	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC,IP	Rabbit mAb
GFAP	EM140707	H,R	WB,IHC-P,IF-Tissue,IHC-Fr	Mouse mAb
GFAP	HA601483	Ms,R	IHC-Fr,WB	Rat mAb
Glutamine Synthetase	HA601428	H,Ms,R	IHC-Fr,WB	Rat mAb
Glutamine Synthetase	HA601516	Ms,R	IHC-Fr,WB	Chicken mAb
Glutamine Synthetase	HA723212	H,Ms,R,Cmk,P	WB,IHC-Fr	Rabbit mAb
Glutamine Synthetase	EM1902-39	H,Ms,R	WB,IHC-P,FC,mIHC,IF-Tissue	Mouse mAb
Notch 1	ET1606-55	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
S100 beta	ET1610-3	H,Ms,R,Z,G,Cmk,Gmk,P,Rb	WB,IF-Tissue,IHC-P,IHC-Fr,IF-Cell,FC,IP	Rabbit mAb
S100 beta	HA601098	H	IHC-P,WB,IF-Tissue	Mouse mAb
SOX9	ET1611-56	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IP,FC,CUT&Tag-seq,mIHC	Rabbit mAb
Microglia				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
C1QA	HA721439	H	WB,IHC-P	Rabbit mAb

Oligodendrocytes

Olig2 Rabbit mAb | ET1604-29

IHC-Fr staining with mouse E14.5 embryo tissue (1/500 dilution)

QKI-6 Rabbit mAb | HA723588

IHC-Fr staining with mouse cerebellum tissue (1/500 dilution, green)

Astrocytes

ALDH1L1 Rabbit mAb | ET7106-64

IF-Tissue staining with rat cerebral cortex tissue (1/500 dilution)

Connexin 43 Rabbit mAb | HA721312

IHC-Fr staining with rat cerebellum tissue (1/500 dilution)

GFAP Mouse mAb | EM140707

IHC-Fr staining with mouse cerebral cortex tissue (1/1,000 dilution, violet)

Microglia				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
CD11b	HA722856	H,Ms,R	WB,IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
CD11c	HA722830	Ms	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
CD11c	HA723512	H,Ms	WB,IHC-Fr,IHC-P	Rabbit multi-Ab
CD40	HA723170	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Cell,FC,IF-Tissue	Rabbit mAb
CD40	EM1901-41	H	WB,IHC-P	Mouse mAb
CD45	HA723506	Ms	WB,IHC-P,IHC-Fr,FC,IF-Cell,IF-Tissue	Rabbit mAb
CD45	HA723507	Ms,R	WB,IHC-Fr,IF-Tissue	Rabbit mAb
CD68	HA722737	Ms,R	WB,IF-Cell,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
CD68	HA601115	H	IHC-P,IF-Cell,FC,mIHC,IF-Tissue	Mouse mAb
Cystatin C	ET1701-72	H,Ms,R	WB,IHC-P	Rabbit mAb
Cystatin F	HA723053	H,Ms	WB,IHC-Fr	Rabbit mAb
F4/80	HA721520	Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC	Rabbit mAb
F4/80	HA721745	Ms	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
F4/80	HA601538	Ms	WB,IHC-Fr,IHC-P	Rat mAb
Iba1	ET1705-78	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC,IP,mIHC	Rabbit mAb
Iba1	HA601367	Ms,R,Cmk,P	IHC-Fr,IHC-P	Rat mAb
Iba1	HA601368	H,Ms,R,Cmk,P	IHC-Fr,WB	Guinea pig mAb
Iba1	RT1316	H,Ms,R,Cmk,P	WB,IHC-P,FC,IP,IHC-Fr,IF-Cell,IF-Tissue	Mouse mAb
Iba1	HA601376	H,Ms,R,P,Cmk	IHC-Fr,WB,FC	Chicken mAb
CD206	HA722892	Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr,IF-Cell,IP,mIHC	Rabbit mAb
CD206	HA601452	Ms,R	IHC-Fr,WB	Guinea pig mAb
CD206	HA601453	Ms,R	IHC-Fr,IF-Tissue,IHC-P,WB,IF-Cell	Mouse mAb
CD8 alpha	HA723820	Ms	FC,IHC-Fr	Rabbit mAb
P2Y12	HA722133	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
P2Y12	HA601388	Ms,R,Cmk,P	IHC-Fr,IHC-P	Rat mAb

Immature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Beta III Tubulin	M0805-8	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Mouse mAb
Beta III Tubulin	ET1604-17	H,Ms,R	WB,IHC-P,IP,FC,IHC-Fr,IF-Cell	Rabbit mAb
Beta III Tubulin	HA723738	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP	Rabbit mAb
Doublecortin	ET1701-98	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Doublecortin	HA601398	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
Doublecortin	HA601495	H,Ms,R	IHC-Fr,WB	Chicken mAb

Microglia

CD40 Rabbit mAb | HA723170

IF-Tissue staining with mouse spleen tissue (1/500 dilution)

F4/80 Rabbit mAb | HA721520

IHC-Fr staining with mouse spleen tissue (1/1,000 dilution, red)

Iba1 Rabbit mAb | ET1705-78

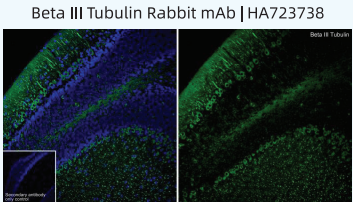
IHC-Fr staining with mouse cerebral cortex tissue (1/2,000 dilution)

CD206 Rabbit mAb | HA722892

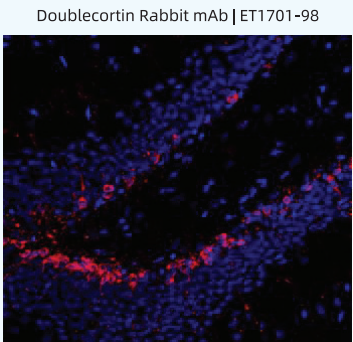
mIHC staining with mouse osteosarcoma tissue (1/2,000 dilution)

Immature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Doublecortin	HA601496	H,Ms,R	IHC-Fr,WB	Guinea pig mAb
Doublecortin	HA601497	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
NeuroD1	ET1703-73	H,Ms,R,Cmk,P	WB,IP,IHC-P,IHC-Fr	Rabbit mAb
Stathmin	HA721179	H,Ms,R	IHC-P,WB,IF-Cell,IF-Tissue,FC	Rabbit mAb
Stathmin	ET1609-20	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
TBR1	ET1702-97	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,mIHC,IHC-Fr	Rabbit mAb
TBR1	HA601422	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
TBR2	HA722918	H,Ms,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
Mature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Beta III Tubulin	ET1604-17	H,Ms,R	WB,IHC-P,IP,FC,IHC-Fr,IF-Cell	Rabbit mAb
Beta III Tubulin	M0805-8	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Mouse mAb
Beta III Tubulin	HA723738	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP	Rabbit mAb
BRN3A	HA601412	Ms	IHC-Fr,IHC-P	Rat mAb
BRN3A	HA723361	Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
THY1	ET1702-92	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
MAP2	HA723025	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr,IF-Cell	Rabbit mAb
MAP2	HA601457	Ms,R	IHC-Fr,WB	Guinea pig mAb
MAP2	HA601458	Ms,R	IHC-Fr,IHC-P,WB,IF-Cell	Mouse mAb
MAP2	HA601459	H,Ms,R	IHC-Fr,IHC-P,WB,IF-Cell	Rat mAb
MAP2	HA601467	Ms,R	IHC-Fr,WB	Chicken mAb
MyT1L	HA723136	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr	Rabbit mAb
NeuN	ET1602-12	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr,mIHC	Rabbit mAb
NeuN	HA601111	H,Ms,R	WB,IF-Tissue,IHC-P,IHC-Fr	Mouse mAb
NeuN	HA601397	H,Ms,R,Cmk,P	IHC-Fr,IHC-P	Rat mAb
NeuN	HA601480	Ms	IHC-Fr	Chicken mAb
NeuN	HA601481	Ms,R	IHC-Fr,WB	Guinea pig mAb
NF-H	ET1702-72	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
NF-L	HA721538	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,IHC-Fr	Rabbit mAb
NF-L	HA601409	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
NF-L	HA601448	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
NF-L	HA601463	Ms,R	IHC-Fr	Guinea pig mAb
NF-L	HA601472	Ms,R	IHC-Fr,WB	Chicken mAb

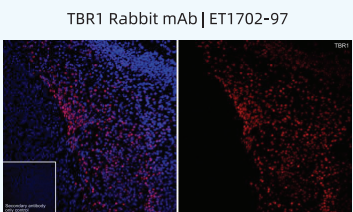
Immature neurons



IF-Tissue staining with mouse cerebellum tissue (1/400 dilution)

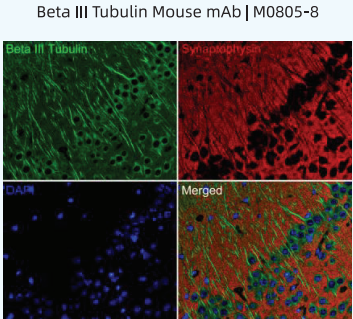


IHC-Fr staining with rat hippocampus tissue (1/500 dilution)

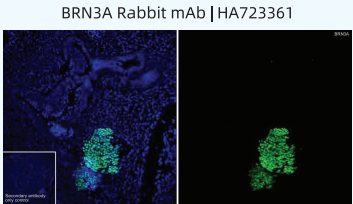


IHC-Fr staining with mouse cerebral cortex (P0) tissue (1/1,000 dilution)

Mature neurons



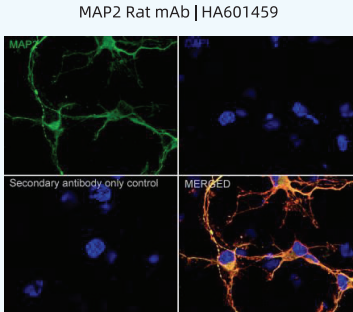
IF-Tissue staining with mouse hippocampus tissue (1/200 dilution, green)



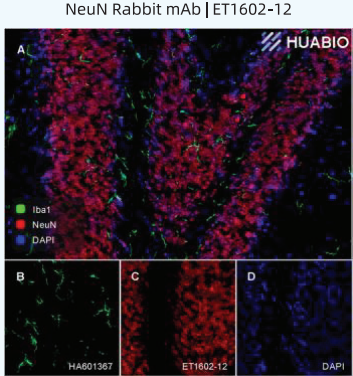
IHC-Fr staining with mouse embryonic cochlear vestibular ganglion tissue (1/500 dilution)

Mature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
NF-M	ET1703-57	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
NF-M	HA601408	H,Ms,R,Cmk	IHC-Fr,IHC-P,WB	Rat mAb
NF-M	HA601443	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
NF-M	HA601444	Ms,R	IHC-Fr,WB	Guinea pig mAb
NF-M	HA601507	Ms	IHC-Fr	Chicken mAb
Peripherin	HA723234	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Cell	Rabbit mAb
Peripherin	HA601405	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB,IF-Cell	Rat mAb
PSD95	ET1602-20	H,Ms,R,Cmk,P	WB,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
PSD95	M1511-4	H,Ms,R	WB,IF-Cell,FC	Mouse mAb
PSD95	HA601416	Ms,R,Cmk,P	IHC-Fr,WB	Rat mAb
Synaptophysin	ET1606-56	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Glutamatergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Glutamate receptor 1	ET1612-10	H,Ms,R	WB,IHC-P,IHC-Fr	Rabbit mAb
Glutaminase	ET1611-5	H,R,Ms	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
Glutamine Synthetase	EM1902-39	H,Ms,R	WB,IHC-P,FC,mIHC,IF-Tissue	Mouse mAb
Glutamine Synthetase	HA723212	H,Ms,R,Cmk,P	WB,IHC-Fr	Rabbit mAb
Glutamine Synthetase	HA601428	H,Ms,R	IHC-Fr,WB	Rat mAb
Glutamine Synthetase	HA601516	Ms,R	IHC-Fr,WB	Chicken mAb
mGluR1	ET1703-84	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
NMDAR1	ET1703-75	H,Ms,R,Cmk,P	WB,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
NMDAR2A	ET1704-80	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue	Rabbit mAb
NMDAR2B	HA722284	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
VGLUT1	HA723217	H,Ms,R,Cmk,P	WB,IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
VGLUT1	HA601392	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB,IF-Tissue	Rat mAb
VGLUT1	HA601449	Ms,R	IHC-Fr,WB	Guinea pig mAb
VGLUT1	HA601450	Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
VGLUT1	HA601478	Ms	IHC-Fr	Chicken mAb
VGLUT2	HA601451	Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
VGLUT2	HA723218	Ms,R,Cmk,P	WB,IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
VGLUT2	HA601393	Ms,R,Cmk,P	IHC-Fr,WB	Rat mAb

Mature neurons

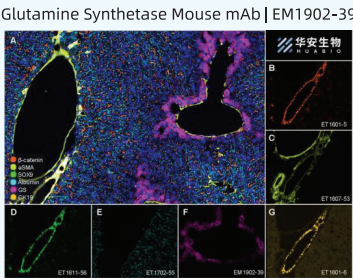


IF-Cell staining with mouse primary neuronal cells (1/200 dilution)

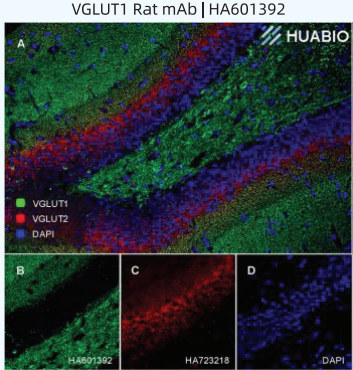


IHC-Fr staining with mouse cerebellum tissue (1/1,000 dilution, red)

Glutamatergic neurons



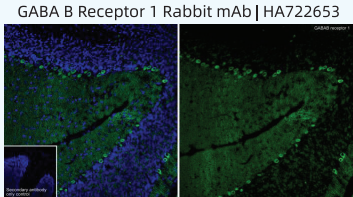
mIHC staining with mouse liver tissue (1/2,000 dilution, magenta)



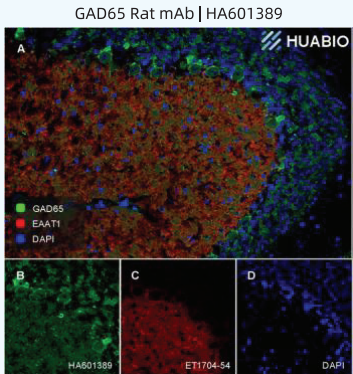
IHC-Fr staining with rat hippocampus tissue (1/500 dilution, red)

GABAergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
DARPP32	ET1608-23	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
GABBR1	HA722053	H,Ms,R,Cmk,P	WB,IF-Tissue,IHC-P	Rabbit mAb
GABBR1	HA722653	H,Ms,R,Cmk,P	IHC-P,IHC-Fr	Rabbit mAb
GABBR2	ET7106-88	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
GAT 1	HA721496	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
GABRA1	HA601383	Ms,R	WB	Mouse mAb
GAD65	HA722750	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
GAD65	HA601389	Ms,R,H,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
GAD65	HA601455	Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
GAD65	HA601473	Ms,R	IHC-Fr,WB	Chicken mAb
GAD67	HA601370	Ms,R	WB,IHC-P,IHC-Fr	Mouse mAb
Dystrophin	ET1702-98	H,Ms,R	WB,IHC-P,IHC-Fr	Rabbit mAb
Dopaminergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ALDH1A1	ET1605-24	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
ALDH1A1	EM1801-07	H,R,Ms	WB,IHC-P,IF-Cell,FC,IHC-Fr	Mouse mAb
ALDH1L1	ET7106-64	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
D2DR	HA723163	H,Ms,R	IHC-Fr,IHC-P	Rabbit mAb
D2DR	HA723162	H,Ms	WB,IHC-Fr,IF-Cell,FC	Rabbit mAb
DAT 1	HA723213	Ms,R,H,Cmk,P	WB,IHC-Fr,IHC-P	Rabbit mAb
DAT 1	HA601404	Ms,R,H,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
DAT 1	HA601474	Ms	IHC-Fr	Chicken mAb
DAT 1	HA601475	Ms	IHC-Fr	Guinea pig mAb
DAT 1	HA601476	Ms,R	IHC-Fr,IHC-P	Mouse mAb
FOXA2	ET1703-76	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr	Rabbit mAb
GIRK2	HA722478	H,Ms,R,Cmk,P	WB,IHC-P,IP,IHC-Fr	Rabbit mAb
Tyrosine Hydroxylase	ET1611-12	H,Ms,R,Cmk	WB,IF-Cell,IHC-P,FC,IF-Tissue,mIHC,IHC-Fr	Rabbit mAb
Tyrosine Hydroxylase	ET1612-65	H,Ms,R,Cmk	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
DRD1	ET1703-45	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Serotonergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
5-HT	HA722504	S	WB,IHC-P,IF-Tissue,IHC-Fr,ELISA	Rabbit mAb
Pet1	HA722893	H	WB,IF-Cell,IHC-P	Rabbit mAb

GABAergic neurons

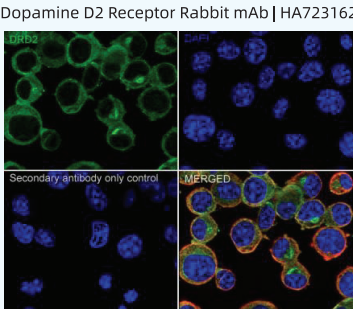


IHC-Fr staining with mouse cerebellum tissue (1/500 dilution)

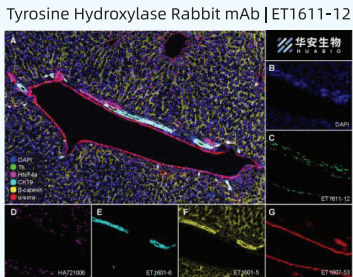


IHC-Fr staining with rat cerebellum tissue (1/2,000 dilution, green)

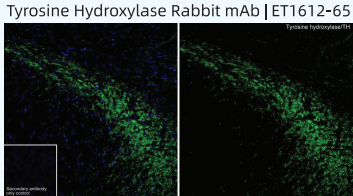
Dopaminergic neurons



IF-Cell staining with Neuro-2a cells (1/100 dilution)



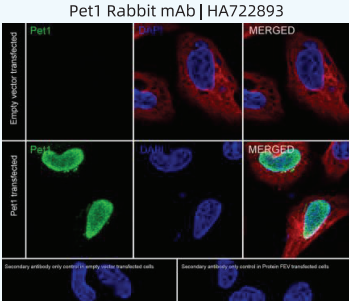
mIHC staining with mouse liver tissue (1/1,000 dilution, green)



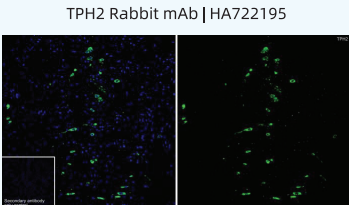
IHC-Fr staining with mouse striatum tissue (1/1,000 dilution)

Serotonergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
5-HTT	HA721544	H,Ms,R	WB,FC	Rabbit mAb
TPH2	HA722195	Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
TPH2	HA601492	Ms,R	IHC-Fr,IHC-P,WB	Guinea pig mAb
TPH1	ET1610-37	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Cholinergic neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
AChE	HA601400	Ms,R	WB,IHC-Fr	Rat mAb
AChE	HA723219	Ms,R	WB,IHC-Fr,IHC-P	Rabbit mAb
ChAT	ET1704-16	H,Ms,R	WB,IP,IF-Cell,IHC-P,FC	Rabbit mAb
ChAT	HA723705	H,Ms,R	WB,IHC-Fr	Rabbit mAb
VACHT	HA723214	Ms,R,Cmk,P	WB,IHC-Fr,IHC-P	Rabbit mAb
VACHT	HA601410	Ms,S,P	IHC-Fr	Rat mAb
VACHT	HA601477	Ms,R	IHC-Fr,IHC-P	Mouse mAb
Interneurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Neurogranin	HA721915	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
VGAT	HA723292	Ms,R,Cmk,P	IHC-Fr,IHC-P	Rabbit mAb
VGAT	HA601384	Ms,R,Cmk,P	IHC-Fr,IHC-P	Mouse mAb
VGAT	HA601471	Ms	IHC-Fr	Chicken mAb
Neuropeptide Y	HA723856	H,Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
Calbindin	ET1702-54	Ms,R,Cmk,P	WB,IF-Tissue,IHC-P,mIHC,IHC-Fr	Rabbit mAb
Calretinin	ET1705-19	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Calretinin	HA601369	Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue,IP	Mouse mAb
Parvalbumin	ET1703-15	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IP	Rabbit mAb
VIP	HA601401	H,Ms,R,Cmk	IHC-Fr,IHC-P	Rat mAb
VIP	HA601446	Ms	IHC-Fr	Guinea pig mAb
VIP	HA601479	Ms	IHC-Fr	Chicken mAb
VIP	HA723220	H,Ms,R,Cmk	IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
Somatostatin 28	HA721460	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Functional markers				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Arg3.1	HA723231	Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
CaMKII	ET1608-47	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr,FC	Rabbit mAb

Serotonergic neurons

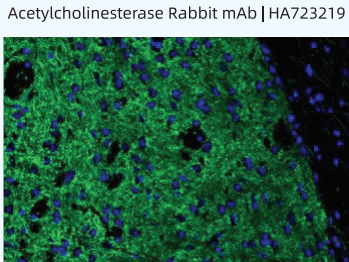


IF-Cell staining with HeLa cells transfected with Pet1 (1/50,000 dilution)



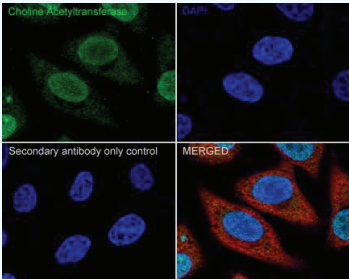
IHC-Fr staining with mouse raphe nucleus tissue (1/500 dilution)

Cholinergic neurons



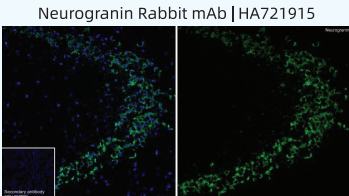
IHC-Fr staining with mouse striatum tissue (1/500 dilution)

Choline Acetyltransferase Rabbit mAb | ET1704-16



IF-Cell staining with HeLa cells (1/100 dilution)

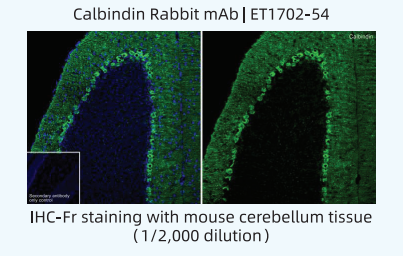
Interneurons



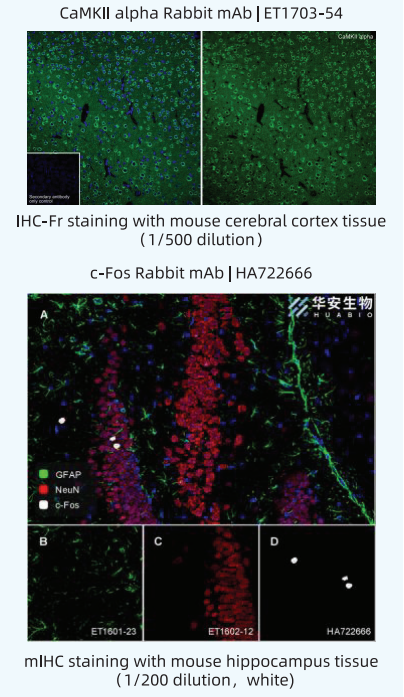
IHC-Fr staining with rat cerebellum tissue (1/200 dilution)

Functional markers				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
CaMKII alpha	ET1703-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,IF-Cell,FC,IP	Rabbit mAb
c-Fos	HA722666	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IHC-Fr,mIHC,IF-Tissue	Rabbit mAb
c-Fos	HA722839	H,Ms,R,Cmk,P	WB,IHC-Fr,IF-Cell,IHC-P,ChIP,IF-Tissue	Rabbit mAb
c-Fos	HA601374	Ms,R,H,Cmk,P	IHC-Fr,WB	Guinea pig mAb
c-Fos	HA601373	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Tissue,IF-Cell,WB	Rat mAb
c-Fos	HA601440	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Cell,WB	Mouse mAb
CREB	HA723754	H,Ms,R,Mk	WB,IHC-P,IHC-Fr,IF-Cell,FC	Rabbit mAb
EGR1	ET7111-41	H,Ms,R,Cmk,P	WB,IHC-P	Rabbit mAb
ERK1/2	ET1601-29	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IP,FC,IHC-P,IHC-Fr	Rabbit mAb
ERK2	ET1603-23	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb
JunD	HA723037	H,Ms,R	WB,IF-Cell,IHC-P,FC,IP,ChIP	Rabbit mAb
PKA C-alpha	HA723003	H,Ms,R,Mk	WB,IHC-P,IF-Cell,FC,IP	Rabbit mAb
Proliferation cell markers				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Ki67	HA721115	H,Ms,R,Cmk	IHC-P,IF-Tissue,mIHC,IF-Cell,FC,IHC-Fr	Rabbit mAb
BrdU	HA721283	S	IHC-P,IF-Cell,IF-Tissue,FC	Rabbit mAb
PCNA	HA601172	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IP	Mouse mAb
Neuropeptides / Hormones				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
AMH	HA723537	Ms,R,H	WB,IHC-Fr,IHC-P	Rabbit mAb
CGRP	HA722991	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr	Rabbit mAb
CGRP	HA601423	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
CGRP	HA601540	Ms	IHC-Fr	Guinea pig mAb
Chromogranin A	ET1703-08	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Ghrelin	HA723029	H,Ms	IHC-P,IHC-Fr	Rabbit mAb
Glucagon	ET1702-20	H,Ms,R	WB,IHC-P,mIHC,IHC-Fr,IF-Tissue	Rabbit mAb
Neuropeptide Y	HA723856	H,Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
Orexin	HA723879	Ms,R	IHC-Fr,IHC-P	Rabbit mAb
OXT	HA722968	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
OXT	HA601425	Ms,R,H,Cmk,P	IHC-Fr,IF-Tissue	Guinea pig mAb
OXT	HA601426	Ms,R,H,Cmk,P	IHC-Fr,IHC-P,IF-Tissue	Rat mAb
Pancreatic Polypeptide	HA721515	H,Ms,R	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
POMC	HA721250	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue	Rabbit mAb

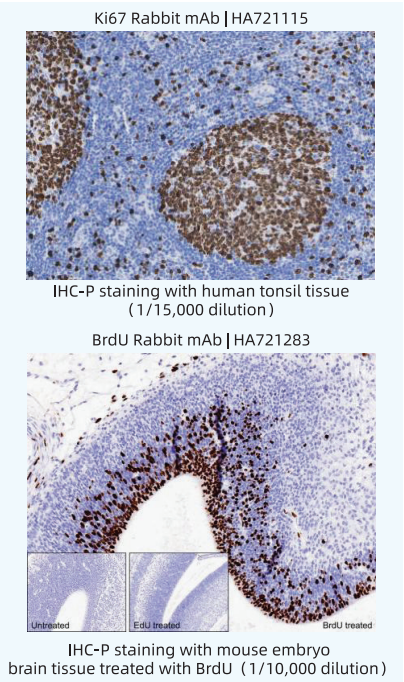
Interneurons



Functional markers

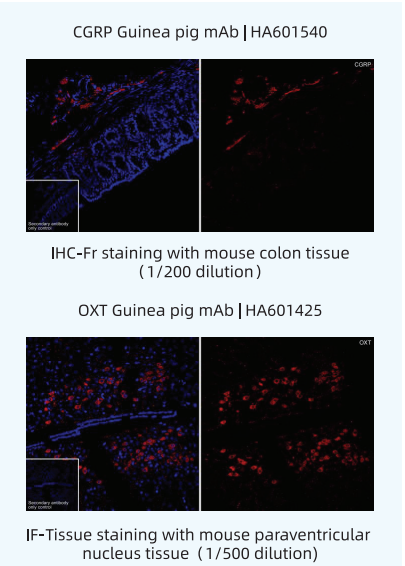


Proliferation cell markers

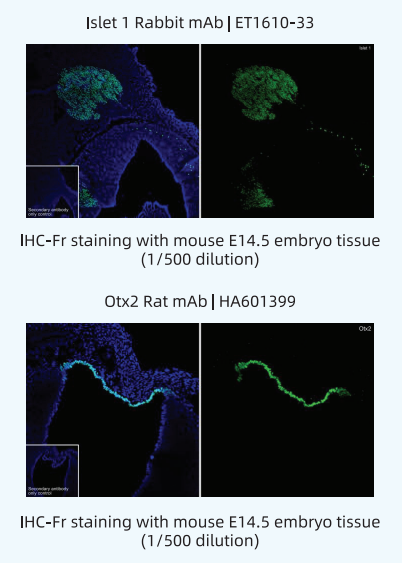


Neuropeptides / Hormones				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Somatostatin Receptor 2	HA722521	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Somatostatin 28	HA721460	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Vasopressin	HA723360	Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
VIP	HA601401	H,Ms,R,Cmk	IHC-Fr,IHC-P	Rat mAb
VIP	HA723220	H,Ms,R,Cmk	IHC-Fr,IHC-P,IF-Tissue	Rabbit mAb
VIP	HA601446	Ms	IHC-Fr	Guinea pig mAb
VIP	HA601479	Ms	IHC-Fr	Chicken mAb
Neurodevelopment				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ADNP	HA722824	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Cell,IF-Tissue,IP	Rabbit mAb
ARF6	ET1702-91	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Beta Catenin	ET1601-5	H,Ms,R	WB,IHC-P,IF-Tissue,IP,mIHC,IF-Cell,IHC-Fr,FC	Rabbit mAb
Bone sialoprotein 2	HA723129	Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Caspr	HA722531	H,Ms,R	WB,IHC-P,IHC-Fr	Rabbit mAb
CaV2.3	HA723540	Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
DCC	HA723484	H,Ms,R	WB,IHC-Fr	Rabbit mAb
DDX4	HA500161	H,Ms,R	WB,IHC-Fr,IHC-P	Rabbit pAb
DDX4	HA722999	H,Ms	WB,IHC-P,IHC-Fr	Rabbit mAb
DDX4	HA723000	H,Ms,R	WB,IHC-P,IHC-Fr	Rabbit mAb
HOPX	HA601484	Ms,R	IHC-Fr,WB	Rat mAb
HOPX	HA723199	Ms,R	WB,IHC-Fr,IHC-P	Rabbit mAb
Islet 1	ET1610-33	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,FC,IP,IHC-Fr	Rabbit mAb
MyT1L	HA723136	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr	Rabbit mAb
NGF	ET1606-29	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Nkx2.2	HA722185	H,Ms,R	WB,IF-Cell,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Otx2	HA721704	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC	Rabbit mAb
Otx2	HA601399	H,Ms,R,Cmk,P	IHC-Fr,IHC-P	Rat mAb
PDGFR alpha	ET1702-49	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
PDGFR beta	ET1605-20	H,Ms,R	WB,IHC-P,IP,FC,IF-Tissue,IF-Cell,mIHC,IHC-Fr	Rabbit mAb
Synaptic function				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
AKT1	ET1609-47	H,Ms,R	WB,IHC-P,IP,FC,IHC-Fr,IF-Cell	Rabbit mAb
AKT1/2/3	ET1609-51	H,Ms,R,Mk	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb

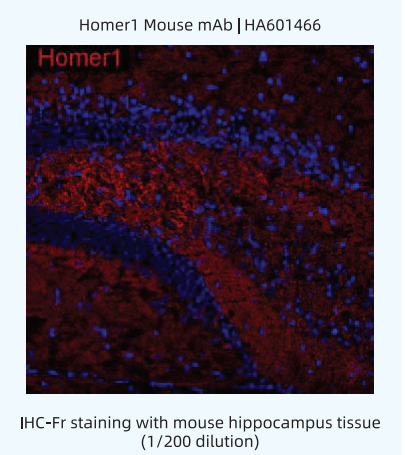
Neuropeptides / Hormones



Neurodevelopment



Synaptic function

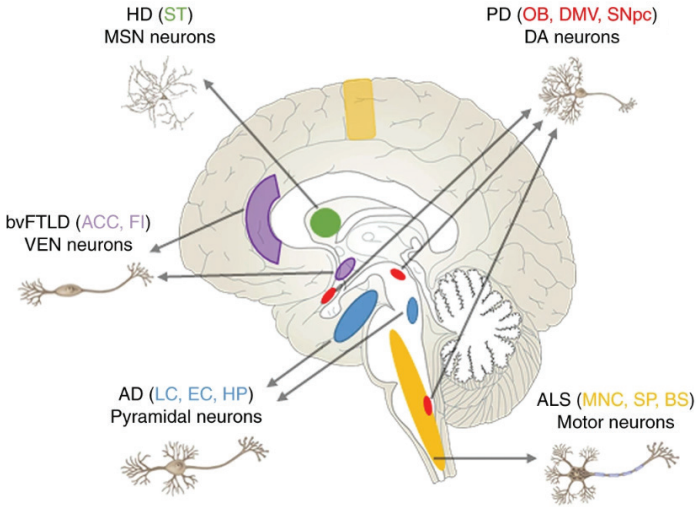


Synaptic function				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Phospho-AKT (S473)	ET1607-73	H,Ms,R,D	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Alpha-cardiac actin	M1206-1	H,Ms,R,Z	WB,IF-Cell,IHC-P,IF-Tissue,IHC-Fr	Mouse mAb
Homer1	HA601415	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
Homer1	HA601465	Ms,R	IHC-Fr,WB	Guinea pig mAb
Homer1	HA601466	Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
Homer1	HA721081	Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
Phospho-MAP2 (S136)	HA722351	Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
SHANK2	HA723226	H,Ms,R,Cmk	WB,IHC-P,IF-Tissue	Rabbit mAb
Slc12a5	HA601433	Ms,R	IHC-Fr,WB	Mouse mAb
SV2A	HA723233	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
SV2A	HA601421	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
Synapsin I + II	HA723196	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-Fr,IHC-P,IP,IF-Tissue	Rabbit mAb
Synapsin II	ET7109-88	Ms,R,H	WB,IF-Tissue,IHC-P,FC	Rabbit mAb
Synaptopodin	HA601402	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
Synaptopodin	HA723211	H,Ms,R	WB,IHC-Fr,IHC-P	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Z: Zebrafish; Cmk: Cynomolgus monkey; P: Pig; Gmk: Green monkey; Rb: Rabbit; G:Goat; S: Species independent; D:Dog

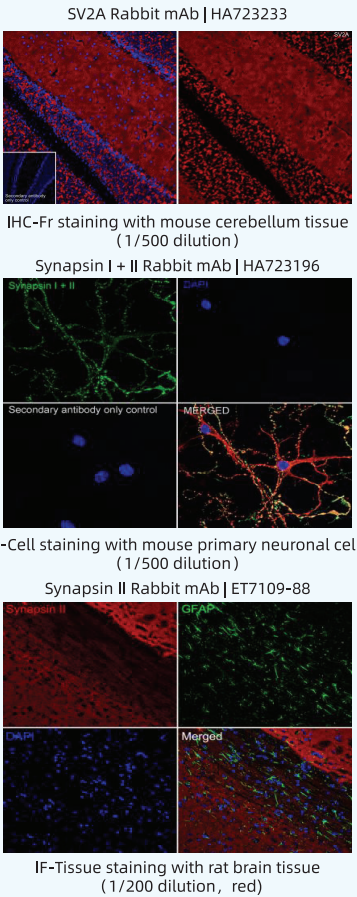
神经退行性疾病

神经退行性疾病已成为全球最重要的公共卫生挑战之一，随着人口老龄化加剧，阿尔茨海默病（Alzheimer's disease）、帕金森病（Parkinson's disease）等神经退行性疾病的发病率持续攀升。这些疾病共同特征是蛋白质稳态失衡导致错误折叠蛋白异常聚集，引发选择性神经元丢失和渐进性神经功能障碍。理解这些疾病的分子机制不仅是对科学界的巨大挑战，更是开发有效诊断和治疗手段的关键前提。



神经退行性疾病中易受影响的主要区域及神经元 (PMID: 30250262)

Synaptic function

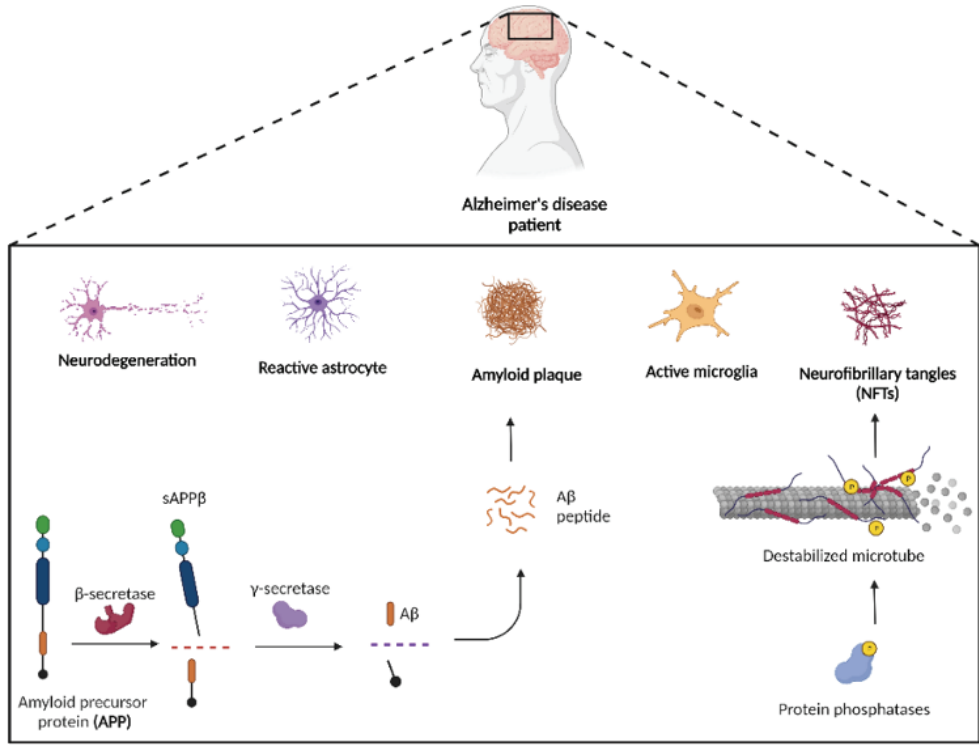


典型特征及关键研究靶标

疾病类型	蛋白聚集物	早期受影响的大脑区域	关键研究靶标
AD	Aβ42, p-Tau	LC, TEC, EC, BF, HP	APP, Tau蛋白, APOE, Aβ40/42, PSEN1等
PD	a-synuclein	OB, DMV, SNpc	Alpha-Synuclein, LRRK2, PARK2, PINK1, Parkin等
ALS	TDP-43, SOD1, FUS, DPRs	MNC, SC, BS	TDP-43, C9orf72, SOD1, FUS等
HD	Huntingtin	ST	HTT, BDNF, IP3 Receptor等

阿尔茨海默病（Alzheimer's disease, AD）

针对阿尔茨海默病研究，我们提供了覆盖Aβ、Tau蛋白以及多种神经损伤标志物的全面抗体产品线。这些抗体经过严格验证，具有高特异性和灵敏度，能够准确检测疾病相关的蛋白变化和修饰。

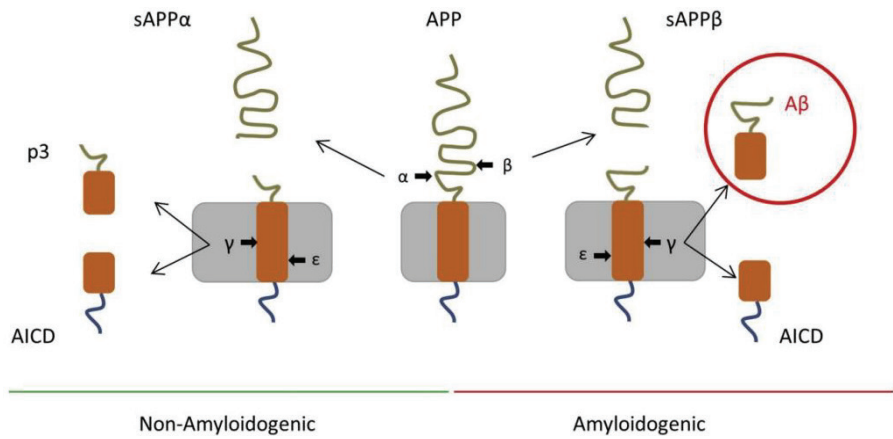


AD患者大脑中的神经病理变化示意图 (PMID: 37964100)

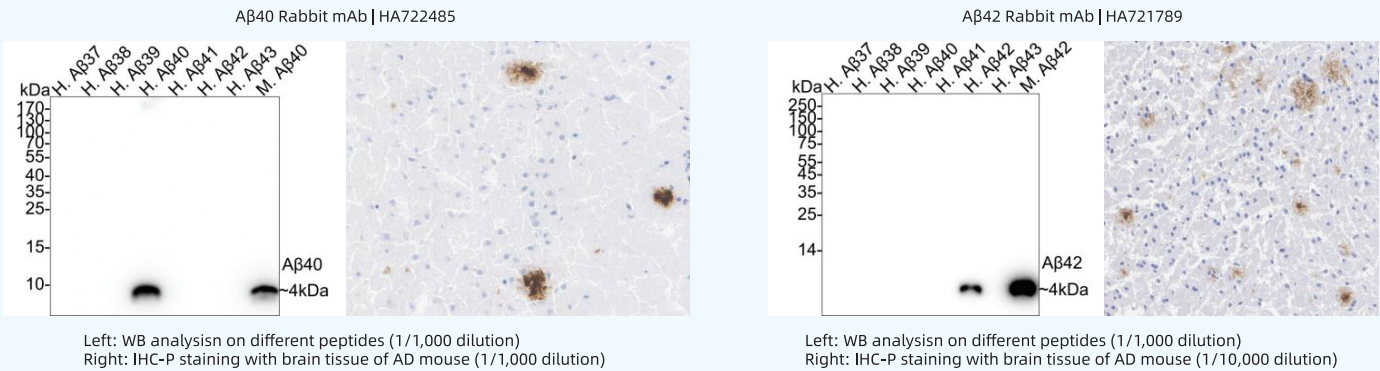
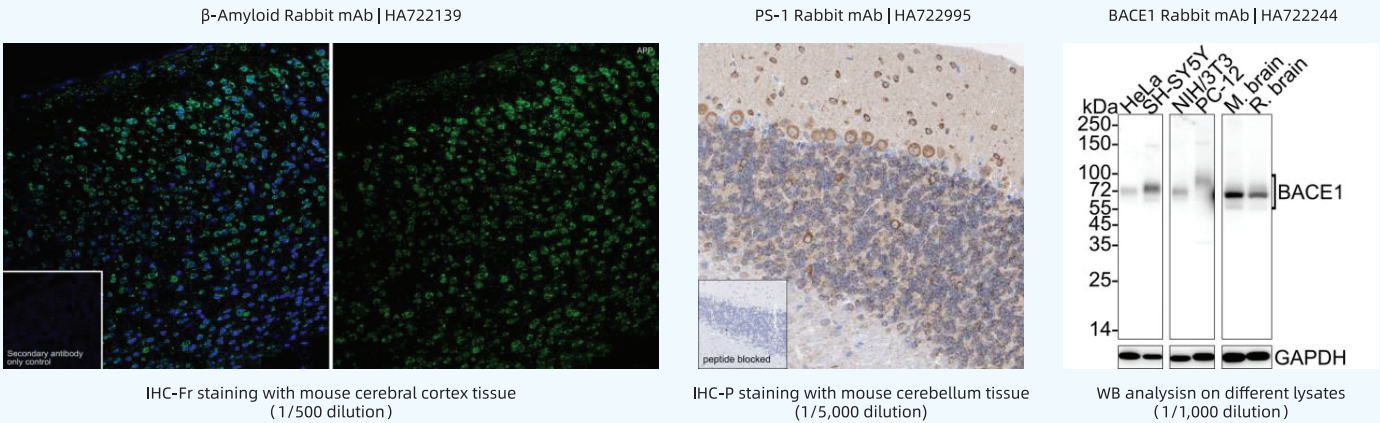
关键研究靶标

β-淀粉样蛋白

β-淀粉样蛋白（Aβ）通路是阿尔茨海默病（Alzheimer's disease, AD）研究中最经典的病理通路，其核心组分Aβ肽段由淀粉样前体蛋白（APP）经β-和γ-分泌酶顺序切割产生。Aβ42（尤其是其聚集形式）被认为是AD发病机制中的关键毒性物质，在神经元变性过程中起核心作用。

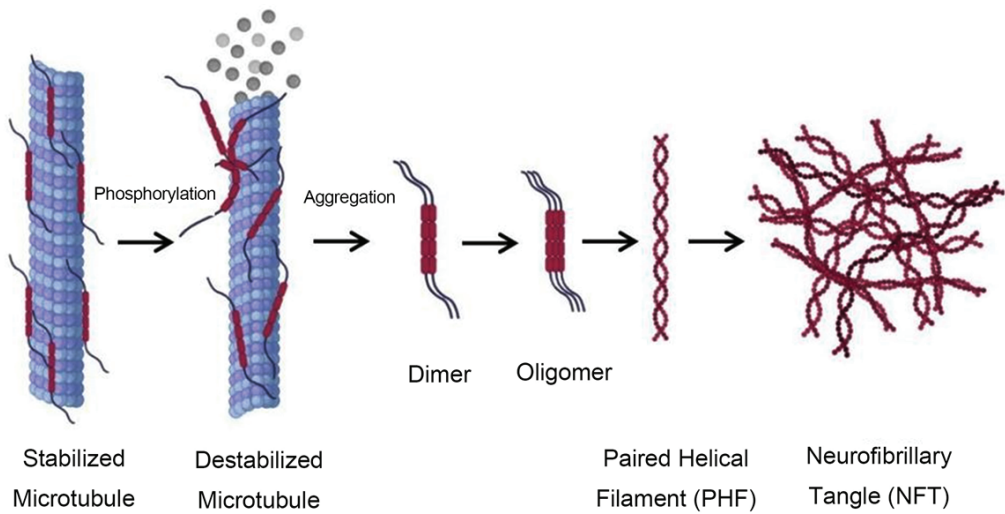


APP蛋白水解过程的示意图 (PMID: 27016693)

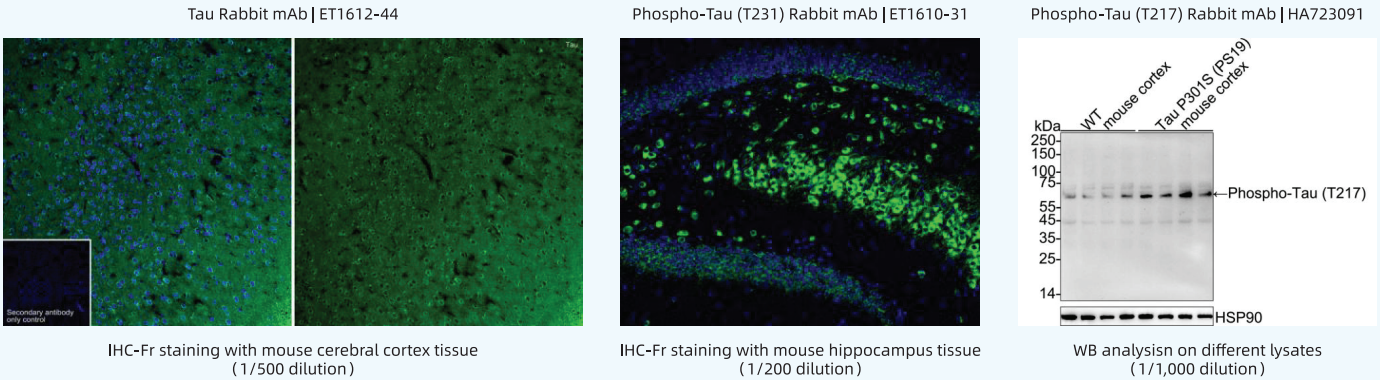


Tau蛋白

Tau蛋白是神经退行性疾病中神经原纤维缠结（NFTs）的主要组成部分，其病理形式主要表现为过度磷酸化和异常聚集。在正常状态下，Tau蛋白主要参与微管组装和稳定，但在AD和其他tauopathy疾病中，Tau蛋白发生异常翻译后修饰，导致错误折叠和聚集。



Tau蛋白从微管中脱落并最终形成神经原纤维缠结示意图



AD研究优质抗体推荐

Product name	Catalog#	Reactivity	Tested applications	Antibody type
ADAM17	ET1703-06	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,FC,IP,IHC-Fr,IHC-P	Rabbit mAb
Aldolase A/B/C	HA601511	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
Aldolase A/B/C	HA601512	H,Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
Aldolase A/B/C	HA721733	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell	Rabbit mAb
AMPK alpha 1	ET1608-40	H,Ms,R	WB,IF-Cell,IF-Tissue,FC,IP,IHC-Fr,IHC-P	Rabbit mAb
APC	ET1610-80	H,Ms,R,Cmk,P	WB,IP,IHC-P,IHC-Fr	Rabbit mAb
Apolipoprotein E	ET1610-22	H,R	WB,IF-Cell,IF-Tissue,IHC-P,IP	Rabbit mAb
Apolipoprotein E	HA723216	Ms,R	WB,IHC-Fr,IHC-P	Rabbit mAb
Apolipoprotein E	HA601391	Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
APP/β-Amyloid	HA722139	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb



Product name	Catalog#	Reactivity	Tested applications	Antibody type
BACE1	HA722244	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
beta 2 Adrenergic Receptor	ET1703-04	H,Ms,R,Z	WB,IHC-P,IP,IF-Cell,FC,IHC-Fr	Rabbit mAb
beta Amyloid	HA722962	H,Ms	WB,IHC-P,IF-Tissue,Dot Blot	Rabbit mAb
Aβ40	HA721788	H,Ms,Cmk,P	IHC-P,WB	Rabbit mAb
Aβ40	HA722485	H,Ms	WB,IHC-P,IF-Tissue	Rabbit mAb
Aβ42	HA721789	H,Ms,Cmk,P	WB,IHC-P,IF-Tissue	Rabbit mAb
Aβ42	HA722754	H,Ms	WB,IHC-P,IF-Tissue	Rabbit mAb
CREB	HA723754	H,Ms,R,Mk	WB,IHC-P,IHC-Fr,IF-Cell,FC	Rabbit mAb
Delta-catenin	HA722438	H,Ms,R,Cmk,P	WB,IHC-P,IP,IHC-Fr	Rabbit mAb
GLUT1	HA601521	H,Ms,R	IHC-Fr,IHC-P,IF-Tissue,WB	Rat mAb
GLUT4	HA723175	Ms,R	WB,IHC-Fr	Rabbit mAb
GSK3 beta	ET1607-71	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Rabbit mAb
MCU	HA723563	H,Ms,R,Mk	WB,IHC-Fr,IHC-P,IF-Cell,IP	Rabbit mAb
p75 NGF Receptor	ET1601-22	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb
p75 NGF Receptor	HA601436	Ms,R	IHC-Fr,WB	Rat mAb
p75 NGF Receptor	HA723532	Ms	IHC-Fr	Rabbit mAb
PEN2	ET7109-26	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr,IF-Tissue	Rabbit mAb
Tau	ET1612-44	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Rabbit mAb
Tau	ET1603-2	H,Ms,R	WB,IHC-P,IP,IHC-Fr	Rabbit mAb
Phospho-Tau (S396)	ET1611-68	Ms,R,H,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Phospho-Tau (T181)	HA722271	H,Ms,Cmk	WB,IHC-P	Rabbit mAb
Phospho-Tau (T217)	HA723091	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr	Rabbit mAb
Phospho-Tau (T231)	ET1610-31	H,Ms,R,Cmk,P	WB,IHC-P,IP,IF-Tissue,IHC-Fr	Rabbit mAb
Pin1	HA723248	H,Ms,R	WB,IF-Cell,IHC-P,IP	Rabbit mAb
Presenilin 1	HA500219	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr,IF-Tissue	Rabbit pAb
Presenilin 1	HA722995	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Presenilin 2	HA723300	H,Ms,R	WB,IF-Cell,FC,IP	Rabbit mAb
Reelin	ET1704-98	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
SCD1	HA723753	Ms,R	WB,IHC-Fr,IHC-P,FC	Rabbit mAb
SIRT2	HA601505	Ms,R	IHC-Fr,IHC-P,WB	Mouse mAb
SIRT2	HA601506	Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
SV2A	HA723233	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
SV2A	HA601421	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb

*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Z: Zebrafish; Cmk: Cynomolgus monkey; P: Pig

Apolipoprotein E Rabbit mAb | HA723216

WB analysisn on different lysates (1/5,000 dilution)

CREB Rabbit mAb | HA723754

IHC-Fr staining with mouse brain tissue (1/500 dilution)

MCU Rabbit mAb | HA723563

IHC-Fr staining with mouse eye tissue (1/500 dilution)

Presenilin 2 / AD5 Rabbit mAb | HA723300

FC analysis of PC-12 cells (1/1,000 dilution, red)

SCD1 Rabbit mAb | HA723753

IHC-Fr staining with mouse liver tissue (1/500 dilution)

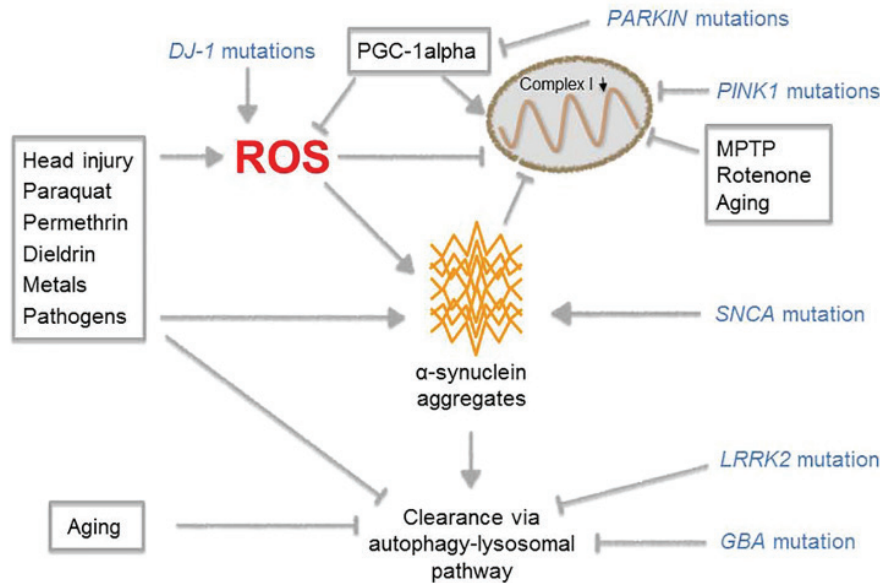
SIRT2 Rabbit mAb | HA601506

IHC-Fr staining with mouse brain (striatum) tissue (1/500 dilution)

帕金森病（Parkinson’s disease，PD）

帕金森病(PD)是一种常见于中老年人，以中脑黑质多巴胺神经元进行性退变为主、多系统受累的缓慢进展的神经系统变性疾病。临床主要表现为震颤、僵硬和运动迟缓等症状。

α-synuclein蛋白的异常聚集是帕金森病的重要病理特征之一。目前，通过靶向α-synuclein蛋白抗体药物研发，能够有效延缓患者的运动症状进展，有望改变目前以症状管理为主的治疗模式。



PD病理机制的多种调控途径示意图 (PMID: 31733690)

PD研究优质抗体推荐

Product name	Catalog#	Reactivity	Tested applications	Antibody type
alpha+beta Synuclein	ET1609-66	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
Alpha-Synuclein	HA723035	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Phospho-alpha Synuclein (S129)	ET7107-30	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
ATP13A2	HA722741	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr	Rabbit mAb
DNAJC6	HA722929	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
GBA	ET1703-32	H,Ms,R,Cmk,P	WB,IHC-P	Rabbit mAb
LRP1	ET1601-1	H,Ms,R	WB,IF-Tissue,IHC-P,IP,IHC-Fr	Rabbit mAb
LRRK2	HA722932	H,Ms,R,Cmk,P	IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
LRRK2	HA500574	Ms,R	IHC-Fr	Chicken pAb
PARK7	ET1611-45	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Parkin	HA722952	H,Ms,R,Mk,Cmk,P	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP,IHC-Fr	Rabbit mAb
Parkin	ET1702-60	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
PGP9.5	ET1703-22	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb

Alpha-Synuclein Rabbit mAb | HA723035

IHC-Fr staining with rat cerebellum tissue (1/500 dilution)

Phospho-alpha Synuclein (S129) Rabbit mAb | ET7107-30

IF-Cell staining with HeLa cells (1/100 dilution)

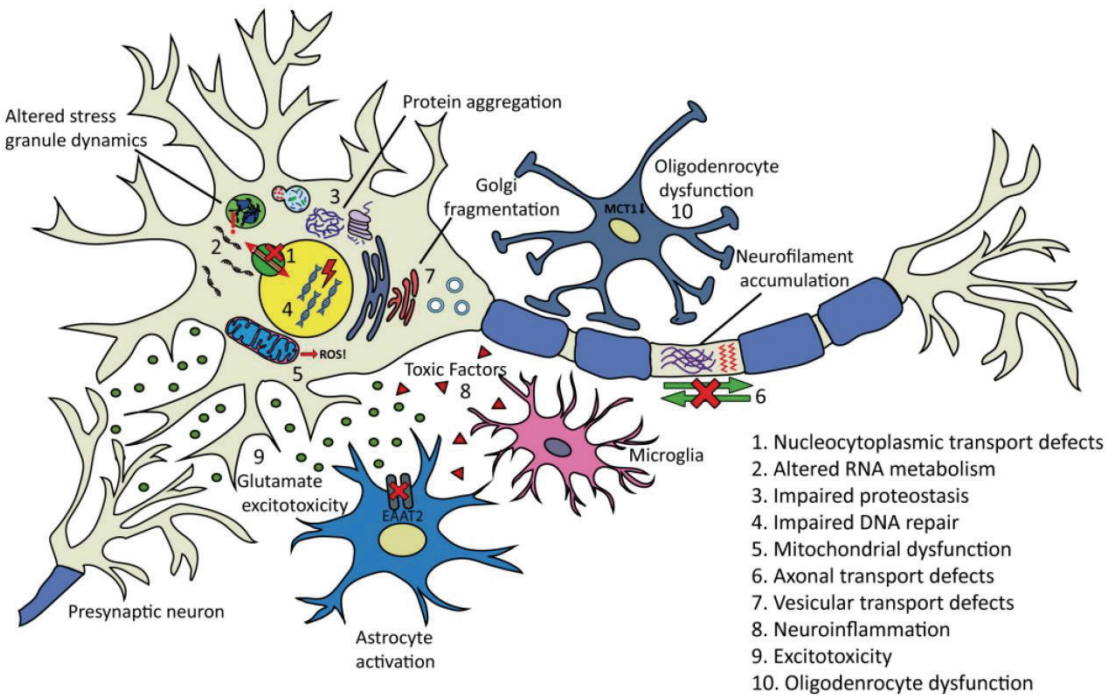
Product name	Catalog#	Reactivity	Tested applications	Antibody type
PGP9.5	HA601514	H,Ms,R	IHC-Fr,IF-Tissue,IHC-P,WB,IF-Cell	Mouse mAb
PGP9.5	HA601515	H,Ms,R	IHC-Fr,IF-Tissue,IHC-P,WB,IF-Cell	Rat mAb
Phospho-AMPK alpha 1 (S496)	ET1612-72	H,Ms	WB,IP,IHC-Fr	Rabbit mAb
Phospho-JNK1/2/3 (T183 + T183 + T221)	ET1609-42	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb
PINK1	HA723021	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
ROR alpha	HA723267	Ms,R	IHC-P,WB	Rabbit mAb
SV2A	HA723233	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
SV2A	HA601421	Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
TRPV4	HA723855	H,Ms	WB,IHC-Fr,IHC-P	Rabbit mAb
VPS35	ET7107-01	H,Ms,R,Mk,Cmk,P	WB,IHC-P,IF-Cell	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Cmk: Cynomolgus monkey; P: Pig

肌萎缩侧索硬化 (Amyotrophic Lateral Sclerosis, ALS)

肌萎缩侧索硬化症(ALS)，又称为“渐冻症”，是运动神经元疾病中最为常见的类型，通常以肌肉无力开始，并随时间逐渐扩散并恶化。ALS发病和进展与基因突变、错误折叠蛋白聚集、线粒体功能障碍、谷氨酸兴奋性毒性、轴突运输异常、神经炎症、RNA代谢异常等机制密切相关。

目前已发现超过100种ALS致病或疾病修饰基因，最常见的基因突变包括SOD1，C9orf72，TDP-43，以及FUS等。

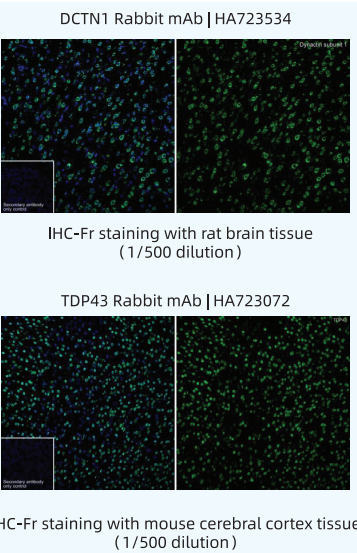


ALS发生的病理和疾病机制示意图 (PMID: 36503299)

ALS研究优质抗体推荐

Product name	Catalog#	Reactivity	Tested applications	Antibody type
C9orf72	HA723290	H,Ms,R	WB	Rabbit mAb
CRALBP	HA721483	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
DCTN1	HA723534	H,Ms,R	WB,IHC-Fr,IHC-P,IF-Cell,FC,IF-Tissue,IP	Rabbit mAb
FUS	ET1701-86	H,Ms,Cmk,P	WB,IHC-P,FC,IF-Cell	Rabbit mAb
LAMP1	HA722302	Ms	WB,IF-Cell,IHC-P,FC,IP,IF-Tissue,IHC-Fr	Rabbit mAb
LAMP1	HA722827	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr,IP	Rabbit mAb
SQSTM1 / p62	HA721171	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,FC,IF-Tissue,IHC-Fr	Rabbit mAb
Superoxide Dismutase 1	ET1702-36	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,FC	Rabbit mAb
TDP43	HA723072	H,Ms,R,Z,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr,IF-Tissue,FC,IP	Rabbit mAb
TDP43	ET1703-74	H,Ms,R,Z,Cmk,P	WB,IP,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Rabbit mAb

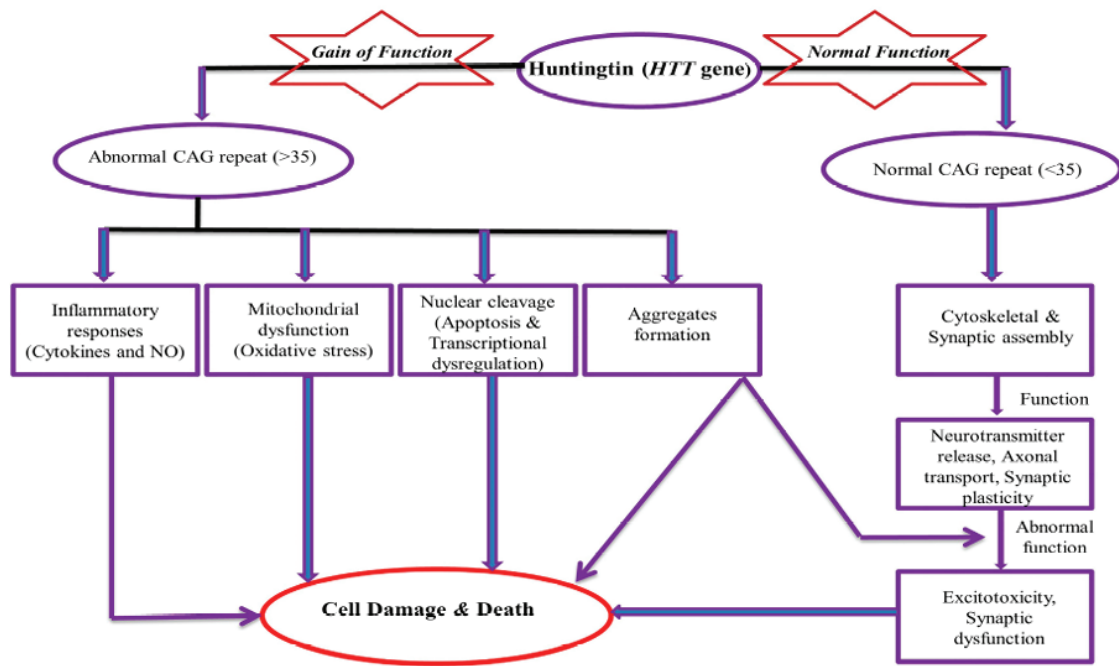
*H: Human; Ms: Mouse; R: Rat; Z: Zebrafish; Cmk: Cynomolgus monkey; P: Pig



亨廷顿病 (Huntington's disease, HD)

亨廷顿病 (HD) 为一种起病隐匿、逐渐进展的常染色体显性遗传病，临床以舞蹈样症状、智能减退和精神行为异常为主要特征。突变HTT (mutant HTT, mHTT) 于细胞核内聚集成包涵体，为HD的核心病理生理机制。

血浆神经丝轻链 (Neurofilament light, NfL) 作为一种潜在的生物标志物，用于评估亨廷顿病患者的起病年龄和疾病进展程度。

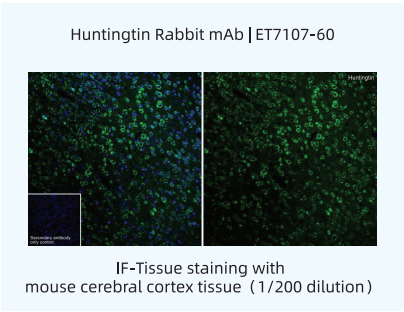


亨廷顿基因(HTT)的毒性机制示意图 (PMID: 31940909)

HD研究优质抗体推荐

Product name	Catalog#	Reactivity	Tested applications	Antibody type
BDNF	HA722912	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr,FC	Rabbit mAb
Hip1	EM1901-04	H,Ms,R	WB,IF-Cell,IHC-P	Mouse mAb
Huntingtin	ET7107-60	H,Ms,R,P	WB,IHC-P,FC,IHC-Fr,IF-Cell,IF-Tissue	Rabbit mAb
IP3 Receptor	ET1704-77	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
REST	HA720081	H	WB,IF-Cell,IHC-P	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; Cmk: Cynomolgus monkey; P: Pig

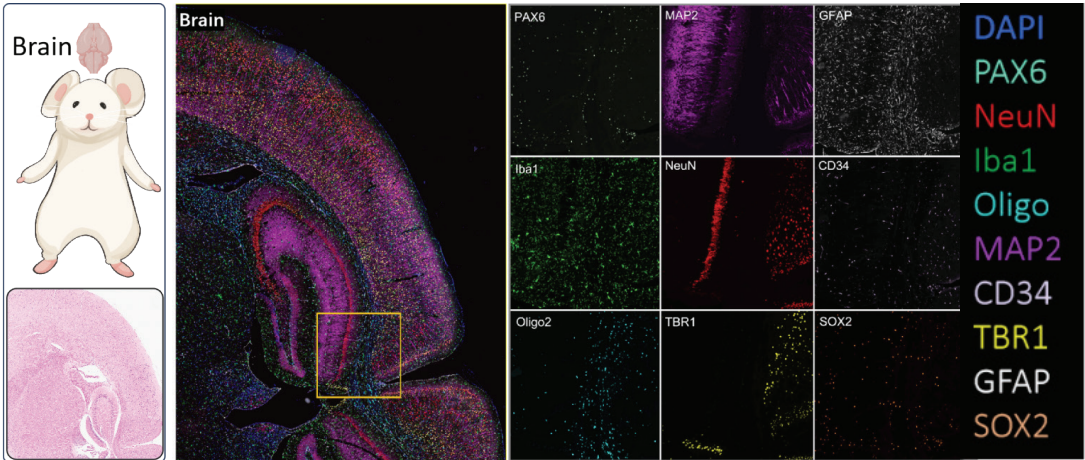


多重荧光免疫组化mIHC应用

多重荧光免疫组化技术（又称TSA技术）可以揭示神经系统中稀有靶点的空间分布，尤其是神经系统存在的大量低丰度关键靶点。TSA技术使这些“不可见”的分子变得“清晰可见”，且能完美保留其原始定位信息。同时，TSA技术对于绘制脑内复杂的细胞相互作用图谱、揭示神经免疫机制以及病理蛋白聚集的微环境具有无可替代的价值。针对脑科学研究的前沿性与复杂性，我们提供经过严格验证，高特异性，广泛种属选择的mIHC抗体，助力科学家在神经科学领域的重大突破。

经典案例

使用针对星形胶质细胞（GFAP）、小胶质细胞（Iba1）、少突胶质细胞（Olig2）神经元（NeuN, TBR1, MAP2）、神经上皮细胞（SOX2）、神经干细胞（CD34）和放射状胶质细胞（PAX6）的mIHC抗体，结合TSA多重荧光方案，可在一张小鼠脑切片上实现多维度分析，为神经网络表征及相关疾病机制提供全景式洞察。



神经网络的表征分析 — 9标10色

特色mIHC抗体推荐

Product name	Catalog#	Reactivity	Tested applications	Antibody type
AQP1	IRS088RB	Human	mIHC	Mouse mAb
AQP1	IRS218RB	Mouse	mIHC	Rabbit mAb
Aquaporin 2	IRS089RB	Mouse	mIHC	Rabbit mAb
Aquaporin 5	IRS090RB	Mouse	mIHC	Rabbit mAb
beta Amyloid	IRS251RB	Mouse	mIHC	Rabbit mAb
beta Amyloid 1-42	IRS247RB	Mouse	mIHC	Rabbit mAb
Beta Catenin	IRS043	Human	mIHC	Rabbit mAb
Beta Catenin	IRS061	Mouse	mIHC	Rabbit mAb
Calbindin	IRS098RB	Human	mIHC	Rabbit mAb
Calbindin	IRS221RB	Mouse	mIHC	Rabbit mAb
CD10	IRS101MS	Human	mIHC	Rabbit mAb
CD10	IRS222MS	Mouse	mIHC	Rabbit mAb
CD11b	IRS014	Human	mIHC	Mouse mAb
CD11c	IRS001	Human	mIHC	Rabbit mAb
CD11c	IRS084	Mouse	mIHC	Rabbit mAb
CD15	IRS107RB	Human	mIHC	Rabbit mAb
CD16	IRS017	Human	mIHC	Rabbit mAb
CD163	IRS002	Human	mIHC	Rabbit mAb
CD163	IRS109RB	Mouse	mIHC	Rabbit mAb
CD45	IRS025	Human	mIHC	Rabbit mAb
CD68	IRS004	Human	mIHC	Rabbit mAb
c-Fos	IRS131RB	Mouse	mIHC	Rabbit mAb
Doublecortin	IRS252RB	Mouse	mIHC	Rabbit mAb
E-Cadherin	IRS030	Human	mIHC	Rabbit mAb
E-Cadherin	IRS031	Human	mIHC	Rabbit mAb
E-Cadherin	IRS229MS	Mouse	mIHC	Rabbit pAb
EGFR	IRS046	Human	mIHC	Rabbit mAb
F4/80	IRS052	Mouse	mIHC	Rabbit pAb
F4/80	IRS143RT	Mouse	mIHC	Rabbit mAb
FOXA2	IRS146RB	Mouse	mIHC	Rabbit mAb
FOXP3	IRS008	Human	mIHC	Rabbit mAb
FOXP3	IRS053	Mouse	mIHC	Rabbit mAb
FOXP3	IRS147RB	Mouse	mIHC	Rabbit mAb

Product name	Catalog#	Reactivity	Tested applications	Antibody type
GFAP	IRS069	Mouse	mIHC	Mouse mAb
GFAP	IRS148RT	Mouse	mIHC	Rabbit pAb
Glutamine Synthetase	IRS033	Human	mIHC	Mouse mAb
Glutamine Synthetase	IRS231MS	Mouse	mIHC	Rabbit mAb
Iba1	IRS068	Mouse	mIHC	Rabbit mAb
Iba1	IRS158RT	Mouse	mIHC	Rabbit mAb
IL-6	IRS160RB	Human	mIHC	Rabbit mAb
Ki67	IRS036	Human	mIHC	Rabbit mAb
Ki67	IRS057	Mouse	mIHC	Rabbit mAb
Mannose Receptor(CD206)	IRS049	Mouse	mIHC	Mouse mAb
MAP2	IRS071	Mouse	mIHC	Rabbit mAb
Myelin Basic Protein	IRS064	Mouse	mIHC	Rabbit mAb
NCAM1 / CD56	IRS026	Human	mIHC	Rabbit mAb
Nestin	IRS065	Mouse	mIHC	Rabbit mAb
NeuN	IRS178RB	Mouse	mIHC	Mouse mAb
NeuN	IRS179RT	Mouse	mIHC	Mouse mAb
Occludin	IRS183RB	Mouse	mIHC	Rabbit mAb
Olig2	IRS067	Mouse	mIHC	Rabbit multi-Ab
PAX6	IRS066	Mouse	mIHC	Rabbit mAb
PDGFR beta	IRS038	Human	mIHC	Rabbit mAb
PDGFR beta	IRS058	Mouse	mIHC	Rabbit mAb
ROR alpha / RORA	IRS258RB	Mouse	mIHC	Rabbit mAb
S100A8+S100A9	IRS196RB	Mouse	mIHC	Rabbit mAb
S100A9	IRS039	Human	mIHC	Mouse mAb
SOX2	IRS198RB	Human	mIHC	Rabbit pAb
SOX2	IRS240RB	Mouse	mIHC	Rabbit mAb
SOX9	IRS199RB	Human	mIHC	Mouse mAb
SOX9	IRS241RB	Mouse	mIHC	Rabbit mAb
SST/Somatostatin 28	IRS197RB	Human	mIHC	Mouse mAb
SST/Somatostatin 28	IRS239RB	Mouse	mIHC	Rabbit mAb
TBR1	IRS070	Mouse	mIHC	Rabbit mAb
TCF7	IRS204RB	Human	mIHC	Rabbit mAb
TGF beta 1	IRS205RB	Human	mIHC	Rabbit mAb
TROP2	IRS208RB	Human	mIHC	Rabbit mAb

Product name	Catalog#	Reactivity	Tested applications	Antibody type
Tyrosine Hydroxylase	IRS206RB	Mouse	mIHC	Rabbit mAb
VE Cadherin	IRS212MS	Mouse	mIHC	Rabbit mAb
Vimentin	IRS044	Human	mIHC	Rabbit mAb
Vimentin	IRS060	Mouse	mIHC	Rabbit mAb
Vimentin	IRS214RT	Human	mIHC	Rabbit pAb
ZO1	IRS217RB	Mouse	mIHC	Rabbit mAb



客户应用案例精选

案例1：线粒体复合体IV缺陷被证实为散发性肌萎缩侧索硬化症（ALS，渐冻症）的关键致病因素

标题：Mitochondrial respiratory complex IV deficiency recapitulates amyotrophic lateral sclerosis

期刊名称：Nat Neurosci. 2025 Apr;28(4):748-756.

PMID：40069360

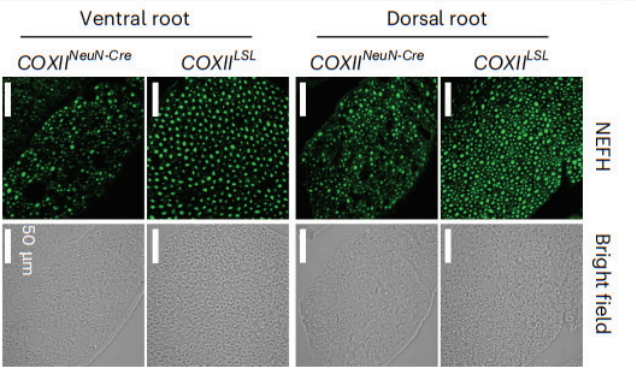
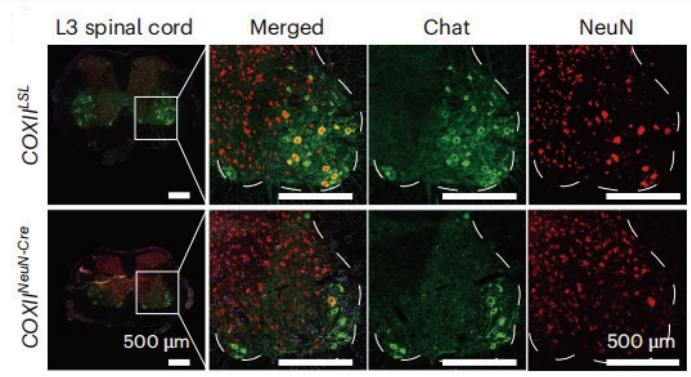
IF：20

产品名称：NeuN Rabbit mAb | ET1602-12; NF-H Rabbit mAb | ET1702-72

样本类型：大鼠脊髓组织

应用类型：IHC-Fr

科研单位：中国医学科学院血液学研究所 & 中国医学科学院医学实验动物研究所



案例2：外周神经系统发现新型“类小胶质细胞” 揭示神经系统免疫监视的进化新机制

标题：Peripheral nervous system microglia-like cells regulate neuronal soma size throughout evolution

期刊名称：Cell. 2025 Apr 17;188(8):2159-2174.e15.

PMID：40199320

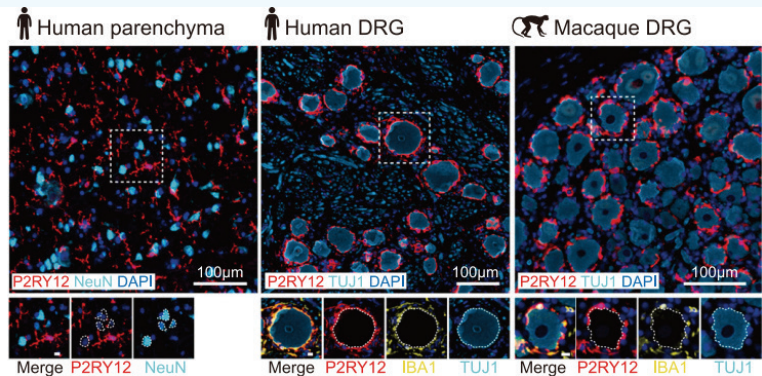
IF：45.6

产品名称：NeuN Rabbit mAb | ET1602-12

样本类型：人脑组织样本

应用类型：IF-Tissue

科研单位：中国科学院深圳先进技术研究院



案例3：人源FOXG1前脑神经前体细胞为皮层脑卒中治疗提供新策略

标题：Forebrain neural progenitors effectively integrate into host brain circuits and improve neural function after ischemic stroke

期刊名称：Nat Commun. 2025 Jun 3;16(1):5132.

PMID：40461535

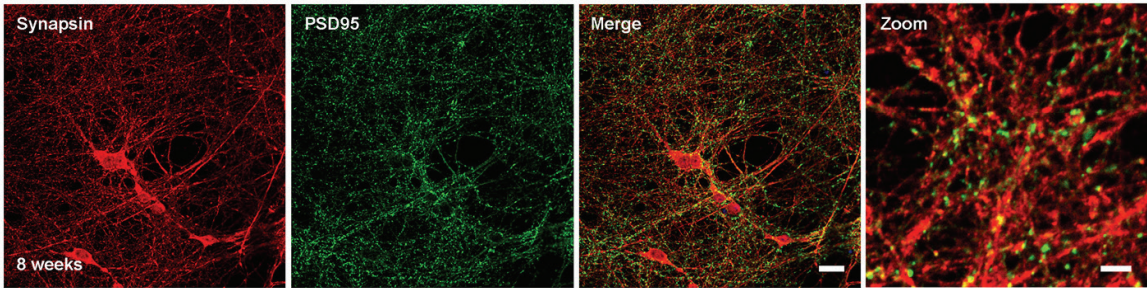
IF：15.7

产品名称：PSD95 Mouse mAb | M1511-4

样本类型：人大脑皮层神经祖细胞

应用类型：IF-Cell

科研单位：中国科学院杭州医学研究所



神经生物学研究已进入“液体活检”时代，配对抗体实现生物体液中低丰度标志物的绝对定量的有效检测试剂。

神经退行性疾病的主要病理标志物

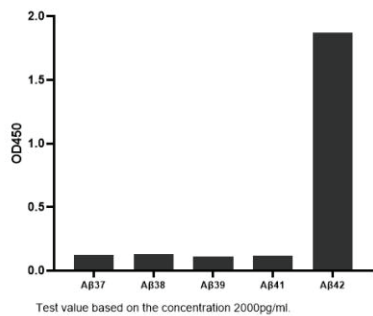
疾病名称	主要病理标志物	聚集形式	检测样本来源	临床应用价值
帕金森病(PD)	α-Synuclein	路易体	脑脊液、血清nEVs	早期诊断、风险分层
阿尔茨海默病(AD)	Aβ42, p-Tau	淀粉样斑块、神经原纤维缠结	脑脊液、血液	早期诊断、疗效评估
路易体痴呆(LBD)	α-Synuclein	路易体	脑脊液、血清	鉴别诊断
多系统萎缩(MSA)	α-Synuclein	胶质细胞包涵体	脑脊液、血清	鉴别诊断
额颞叶痴呆(FTD)	TDP-43, Tau	神经元包涵体	脑脊液、血液	分型诊断

脑脊液或血液中的Aβ42/40比率、磷酸化Tau (p-Tau181, p-Tau217)、神经丝轻链(NfL)、α-突触核蛋白等是神经退行性疾病的核心生物标志物。这些分子浓度极低且存在大量干扰蛋白，只有高亲和力、高特异性的配对抗体才能实现超灵敏检测，为疾病早期诊断、分型和疗效评估提供客观依据。

检测数据精选

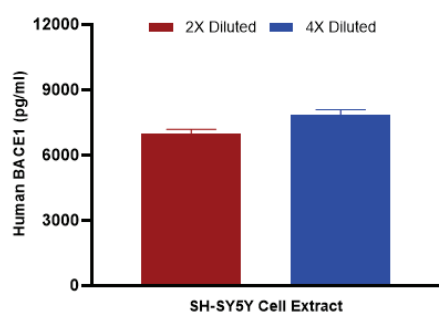
阿尔茨海默病及相关认知障碍生物标志物

Aβ42 Matched Antibody pair
Capture: HA722079; Detector: HA722080



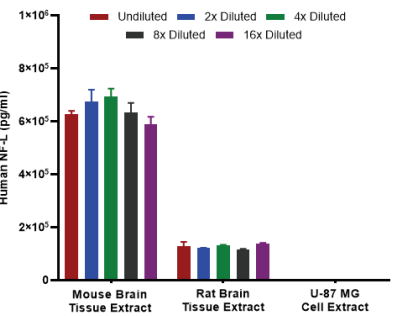
ELISA analysis on indicated human proteins

Human BACE1 Matched Antibody pair
Capture: HA725171; Detector: HA725172



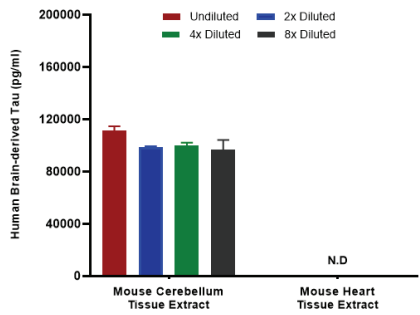
Interpolated concentrations of native BACE1 in SH-SY5Y samples

Human/Mouse/Rat NF-L Matched Antibody pair
Capture: HA723330; Detector: HA723331



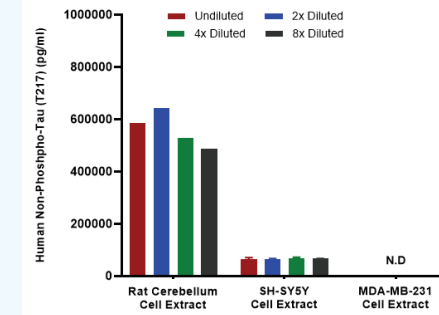
Mouse brain extracts: 643,742 pg/mL
rat brain extracts: 127,718 pg/mL
no detectable in U-87 MG cell extract

Brain-derived tau Matched Antibody pair
Capture: HA723847; Detector: HA723209



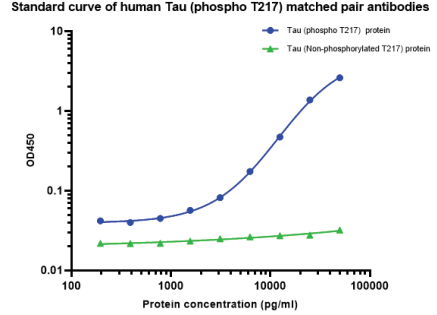
Mouse cerebellum extracts: 101,752 pg/mL
no detectable in mouse heart tissue extract

Non-Phospho-Tau (T217) Matched Antibody pair
Capture: HA723843; Detector: HA723209



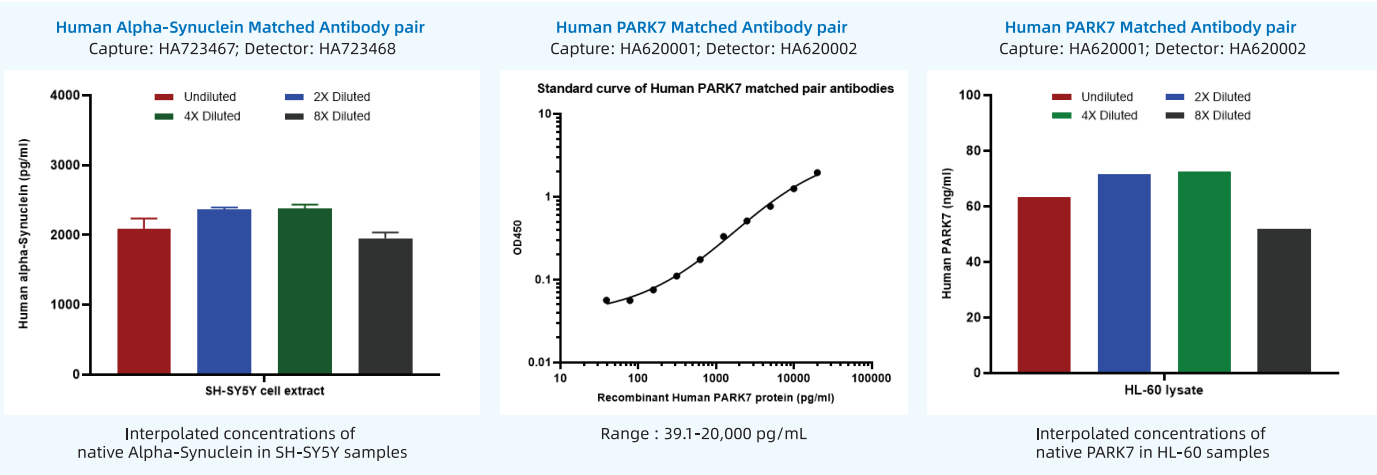
Rat cerebellum extracts: 561,264 pg/mL
SH-SY5Y cell extracts: 66,440 pg/mL
no detectable in MDA-MB-231 cell extract

Phospho-Tau (T217) Matched Antibody pair
Capture: HA723842; Detector: HA723209

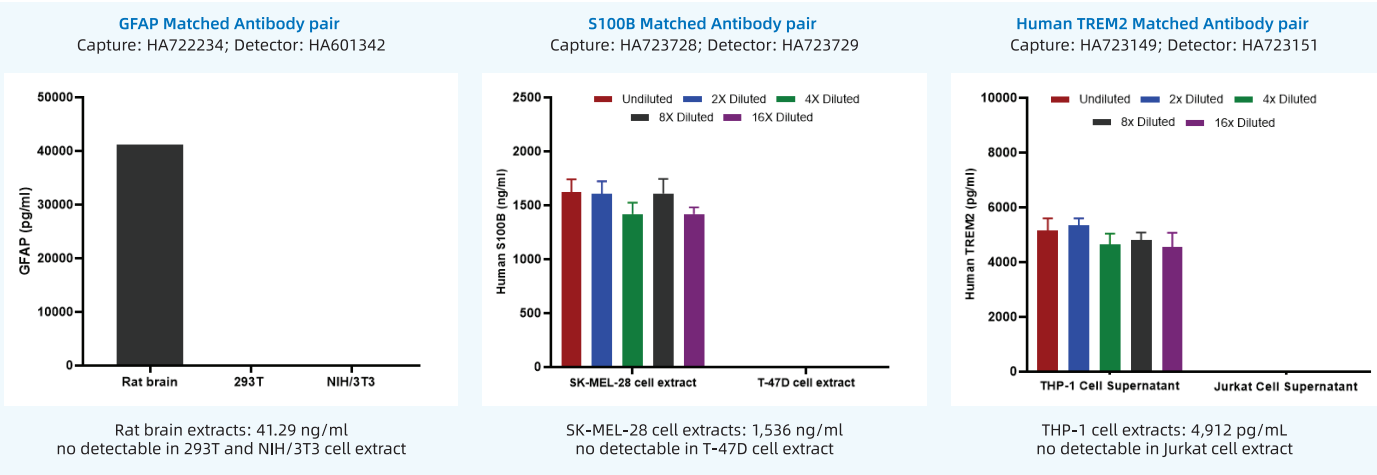


ELISA analysis on human Tau (phospho T217) and Tau (Non-phospho T217) proteins

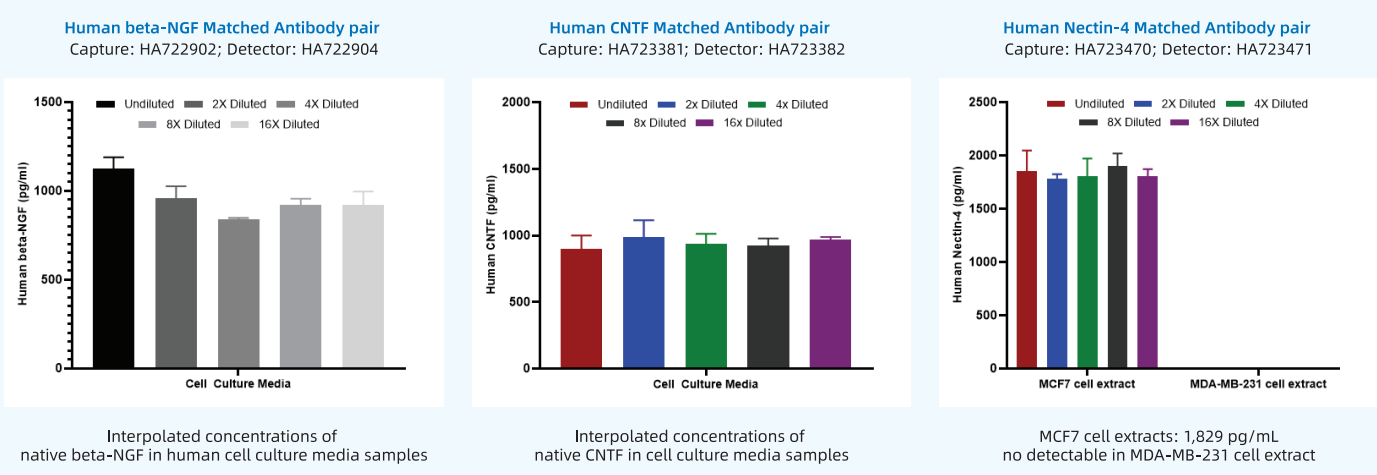
帕金森病与突触核蛋白病理



神经炎症与胶质细胞活化



神经发育与可塑性



特色配对抗体推荐

Biomarkers for Alzheimer’s Disease				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
beta Amyloid 1-40	HA722077	Human,Mouse	ELISA(Cap)	Rabbit mAb
beta Amyloid 1-40	HA722078	Human,Mouse	ELISA(Det)	Rabbit mAb
beta Amyloid 1-42	HA722079	Human	ELISA(Cap)	Rabbit mAb
beta Amyloid 1-42	HA722080	Human	ELISA(Det)	Rabbit mAb
Brain-derived tau/BD-tau	HA723847	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Brain-derived tau/BD-tau	HA723848	Human	ELISA(Det)	Rabbit mAb
Human BACE1	HA725171	Human	ELISA(Cap)	Rabbit mAb
Human BACE1	HA725172	Human	ELISA(Det)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723330	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723331	Human,Mouse,Rat	ELISA(Det)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723333	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723334	Human,Mouse,Rat	ELISA(Det)	Rabbit mAb
Non-Phospho-Tau (T217)	HA723843	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Tau	HA723209	Human,Mouse,Rat	ELISA(Det)	Rabbit mAb
Non-Phospho-Tau (T217)	HA723844	Human	ELISA(Cap)	Rabbit mAb
Non-Phospho-Tau (T217)	HA723845	Human	ELISA(Det)	Rabbit mAb
Phospho-Tau (T217)	HA723841	Human,Mouse	ELISA(Cap)	Rabbit mAb
Tau	HA723209	Human,Mouse,Rat	ELISA(Det)	Rabbit mAb
Phospho-Tau (T217)	HA723842	Human	ELISA(Cap)	Rabbit mAb
Tau	HA723898	Human	ELISA(Det)	Rabbit mAb
Tau	HA723850	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Tau	HA723209	Human,Mouse,Rat	ELISA(Det)	Rabbit mAb
Tau	HA723851	Human	ELISA(Det)	Rabbit mAb

Parkinson’s Disease and Synuclein Pathology				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human Alpha-Synuclein	HA723467	Human	ELISA(Cap)	Rabbit mAb
Human Alpha-Synuclein	HA723468	Human	ELISA(Det)	Rabbit mAb
Human PARK7	HA620001	Human	ELISA(Cap)	Mouse mAb
Human PARK7	HA620002	Human	ELISA(Det)	Mouse mAb

Neural Development and Plasticity				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human Beta Nerve Growth Factor	HA722902	Human	ELISA(Cap)	Rabbit mAb

Neural Development and Plasticity				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human Beta Nerve Growth Factor	HA722903	Human	ELISA(Cap)	Rabbit mAb
Human Beta Nerve Growth Factor	HA722904	Human	ELISA(Det)	Rabbit mAb
Human CNTF	HA723381	Human,Rat	ELISA(Cap)	Rabbit mAb
Human CNTF	HA723382	Human,Rat	ELISA(Det)	Rabbit mAb
Human CNTF	HA723384	Human,Rat	ELISA(Cap)	Rabbit mAb
Human CNTF	HA723385	Human,Rat	ELISA(Det)	Rabbit mAb
Human E-Cadherin	HA723055	Human	ELISA(Cap)	Rabbit mAb
Human E-Cadherin	HA723056	Human	ELISA(Det)	Rabbit mAb
Human FGF-2	HA721780	Human	ELISA(Cap)	Rabbit mAb
Human FGF-2	HA721781	Human	ELISA(Det)	Rabbit mAb
Human LAMC2	HA723717	Human	ELISA(Cap)	Rabbit mAb
Human LAMC2	HA723718	Human	ELISA(Det)	Rabbit mAb
Human LIF	HA722495	Human	ELISA(Cap)	Rabbit mAb
Human LIF	HA722496	Human	ELISA(Det)	Rabbit mAb
Human NCAM1	HA722946	Human	ELISA(Cap)	Rabbit mAb
Human NCAM1	HA722947	Human	ELISA(Det),ELISA(Cap)	Rabbit mAb
Human NCAM1	HA722949	Human	ELISA(Det)	Rabbit mAb
Human Neurogranin	HA725191	Human	ELISA(Cap)	Rabbit mAb
Human Neurogranin	HA725192	Human	ELISA(Det)	Rabbit mAb
Human Neuropilin-1	HA725112	Human	ELISA(Cap)	Rabbit mAb
Human Neuropilin-1	HA725113	Human	ELISA(Det)	Rabbit mAb
Human Nectin-2	HA723460	Human	ELISA(Cap)	Rabbit mAb
Human Nectin-2	HA723461	Human	ELISA(Det)	Rabbit mAb
Human Nectin-4	HA723470	Human	ELISA(Cap)	Rabbit mAb
Human Nectin-4	HA723471	Human	ELISA(Det)	Rabbit mAb
Mouse LIF	HA721758	Mouse	ELISA(Cap)	Rabbit mAb
Mouse LIF	HA721759	Mouse	ELISA(Det)	Rabbit mAb
NuMA	HA601223	Human	ELISA(Cap)	Mouse mAb
NuMA	HA601224	Human	ELISA(Det)	Mouse mAb
Neural Development and Plasticity				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human Oxytocin-neurophysin 1	HA723452	Human	ELISA(Cap)	Rabbit mAb
Human Oxytocin-neurophysin 1	HA723453	Human	ELISA(Det)	Rabbit mAb

Neuroinflammation and Glial Activation				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
GFAP	HA601342	Human,Mouse,Rat	ELISA(Det)	Mouse mAb
GFAP	HA722234	Human,Mouse,Rat	ELISA(Cap)	Rabbit mAb
Human Complement C3	HA725140	Human	ELISA(Cap)	Rabbit mAb
Human Complement C3	HA725141	Human	ELISA(Det)	Rabbit mAb
Human Complement C5	HA722682	Human	ELISA(Cap)	Rabbit mAb
Human Complement C5	HA722683	Human	ELISA(Det)	Rabbit mAb
Human CRP	HA722108	Human	ELISA(Cap)	Rabbit mAb
Human CRP	HA722109	Human	ELISA(Det)	Rabbit mAb
Human CSF-1-R	HA723474	Human	ELISA(Cap),ELISA(Det)	Rabbit mAb
Human CSF-1-R	HA723475	Human	ELISA(Det)	Rabbit mAb
Human CSF-1-R	HA723477	Human	ELISA(Cap)	Rabbit mAb
Human CX3CL1	HA723813	Human	ELISA(Cap)	Rabbit mAb
Human CX3CL1	HA723814	Human	ELISA(Det)	Rabbit mAb
Human CX3CL1	HA723813	Human	ELISA(Cap)	Rabbit mAb
Human CX3CL1	HA723814	Human	ELISA(Det)	Rabbit mAb
Human Lipocalin-2	HA725109	Human	ELISA(Cap)	Rabbit mAb
Human Lipocalin-2	HA725110	Human	ELISA(Det)	Rabbit mAb
Human TREM2	HA723149	Human	ELISA(Cap),ELISA(Det)	Rabbit mAb
Human TREM2	HA723150	Human	ELISA(Cap)	Rabbit mAb
Human TREM2	HA723151	Human	ELISA(Det)	Rabbit mAb
Human VCAM-1	HA725064	Human	ELISA(Cap)	Rabbit mAb
Human VCAM-1	HA725065	Human	ELISA(Det)	Rabbit mAb
Mouse CRP	HA725073	Mouse	ELISA(Cap)	Rabbit mAb
Mouse CRP	HA725074	Mouse	ELISA(Det)	Rabbit mAb
Mouse TREM2	HA721760	Mouse	ELISA(Cap)	Rabbit mAb
Mouse TREM2	HA721761	Mouse	ELISA(Det)	Rabbit mAb
Mouse VCAM1	HA723829	Mouse	ELISA(Cap)	Rabbit mAb
Mouse VCAM1	HA723830	Mouse	ELISA(Det)	Rabbit mAb
Mouse VCAM1	HA723831	Mouse	ELISA(Cap)	Rabbit mAb
Rat CRP	HA725049	Rat	ELISA(Cap)	Rabbit mAb
Rat CRP	HA725050	Rat	ELISA(Det)	Rabbit mAb



高度标准化的ELISA流程是临床前研究和生物标志物验证的首选平台，加速生物标志物从基础研究向临床应用的转化。我们的ELISA试剂盒核心组分（如配对抗体）均经过严格筛选和高级验证，确保高特异性；反应体系经过彻底优化，提供宽广的线性范围和卓越的灵敏度（可低至pg/mL级别）。

板内 / 板间CV < 6%，确保检测结果稳定、可靠

Human Aβ40 ELISA检测试剂盒 EH0111						
	板内精密度			板间精密度		
Sample Number	S1	S2	S3	S1	S2	S3
	22	22	22	6	6	6
Average (pg/ml)	757.9	168.5	48	703.8	202.7	42.7
Standard Deviation	40.9	7.1	1.8	22.1	5.6	2.4
Coefficient of Variation (%)	5.4	4.2	3.7	3.1	2.8	5.6

Mammal NF-L ELISA检测试剂盒 EH0154						
	板内精密度			板间精密度		
Sample Number	S1	S2	S3	S1	S2	S3
	22	22	22	6	6	6
Average (pg/ml)	53	385.7	1612.4	127.7	547.7	1800.6
Standard Deviation	2.2	17.4	76.9	6.7	25.3	78.4
Coefficient of Variation (%)	4.1	4.5	4.8	5.2	4.6	4.4

特色ELISA检测试剂盒推荐

Product name	Catalog#	Size	Sensitivity
Human LIF ELISA Kit	EH0096	96T	0.10 pg/ml (50 µl); 0.36 pg/ml (10 µl)
Human beta Amyloid 1-40 ELISA Kit	EH0111	96T	2.92 pg/ml (50 µl); 8.40 pg/ml (10 µl)
Human beta-NGF ELISA Kit	EH0065	96T	3.27 pg/ml (50 µl); 1.91 pg/ml (10 µl)
Human CD115/M-CSF R/CSF-1-R ELISA Kit（一步法）	EHY0168	96T	0.01 ng/ml (50 µl); 0.08 ng/ml (10 µl)
Human CNTF ELISA Kit	EH0147	96T	0.25 pg/ml (50 µl); 3.77 pg/ml (10 µl)
Human Complement C5 ELISA Kit	EH0108	96T	0.05 pg/ml (50 µl); 3.14 pg/ml (10 µl)
Human Complement C5 ELISA Kit（一步法）	EHY0108	96T	0.01 ng/ml (50 µl); 0.18 ng/ml (10 µl)
Human CRP ELISA Kit	EH0076	96T	4.26 pg/ml (50 µl); 21.23 pg/ml (10 µl)
Human E-Cadherin ELISA Kit	EH0115	96T	25.58 pg/ml (50 µl)
Human FGF basic/FGF2/bFGF ELISA Kit	EH0024	96T	1.51 pg/ml (50 µl) ； 9.93 pg/ml (10 µl)
Human Lipocalin-2/NGAL ELISA Kit（一步法）	EHY0166	96T	0.01 ng/ml (50 µl); 0.03 ng/ml (10 µl)

Product name	Catalog#	Size	Sensitivity
Human NCAM 1/CD56 ELISA Kit	EH0102	96T	3.69 pg/ml (50 µl); 37.50 pg/ml (10 µl)
Human Neuropilin-1/NRP1 ELISA Kit（一步法）	EHY0175	96T	0.02 ng/ml (50 µl); 0.03 ng/ml (10 µl)
Human Oxytocin-neurophysin 1/OXT ELISA Kit	EH0153	96T	1.02 pg/ml (50 µl); 4.22 pg/ml (10 µl)
Human PDGF-BB ELISA Kit	EH0068	96T	2.79 pg/ml (50 µl); 7.56 pg/ml (10 µl)
Human Total HSP60 ELISA Kit	EH0060	96T	3.22 pg/ml (50 µl); 4.45 pg/ml (10 µl)
Human TREM2 ELISA Kit（一步法）	EHY0122	96T	0.004 ng/ml (50 µl); 0.05 ng/ml (10 µl)
Human VCAM-1/CD106 ELISA Kit	EH0067	96T	7.07 pg/ml (50 µl)
Human VCAM-1/CD106 ELISA Kit（一步法）	EHY0067	96T	0.04 ng/ml (50 µl); 0.08 ng/ml (10 µl)
Human/Mouse BDNF ELISA Kit	EH0069	96T	1.05 pg/ml (50 µl); 2.53 pg/ml (10 µl)
Mammal GFAP ELISA Kit	EH0178	96T	2.52 pg/ml (50 µl); 17.06 pg/ml (10 µl)
Mammal NF-L ELISA Kit	EH0154	96T	0.54 pg/ml (50 µl); 1.31 pg/ml (10 µl)
Mouse CRP/C-Reactive Protein ELISA Kit	EM0035	96T	0.01 ng/ml (50 µl)
Mouse LIF ELISA Kit	EM0038	96T	2.77 pg/ml (10 µl)
Mouse TREM2 ELISA Kit	EM0039	96T	0.60 pg/ml (10 µl)
Rat CRP/C-Reactive Protein ELISA Kit	ER0009	96T	27.24 pg/ml (50 µl); 63.91 pg/ml (10 µl)
Rat CRP/C-Reactive Protein ELISA Kit（一步法）	ERY0009	96T	2.9 pg/ml (50 µl); 42.15 pg/ml (10 µl)

扫码了解更多
“ELISA Kits” 产品信息

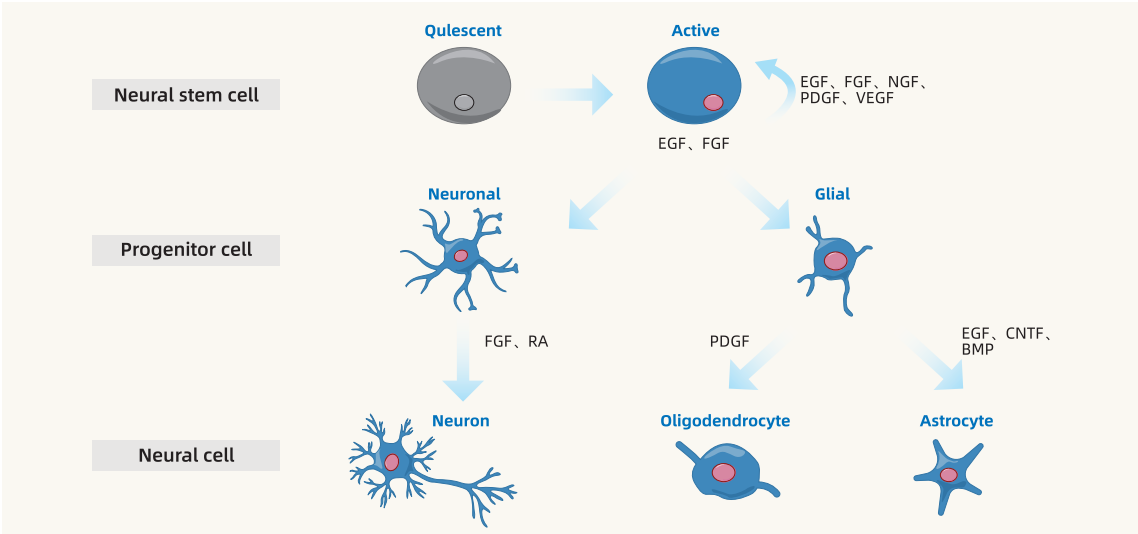


蛋白产品

华安生物（HUABIO）作为专注于生命科学领域的蛋白供应商，拥有专业的蛋白研发平台、蛋白标记平台、稳定株开发平台和流式细胞分析平台。我们致力于为脑科学研究提供高质量的关键蛋白产品，推动脑科学研究的进展。

神经细胞培养因子

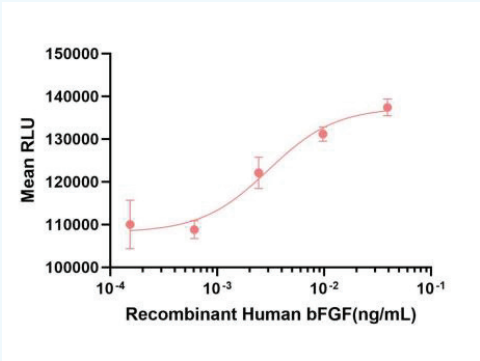
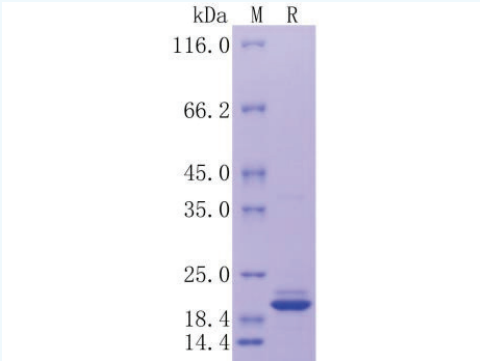
神经干细胞是多能干细胞，可产生神经系统的主要表型。生长因子和细胞因子可以帮助基底细胞、神经胶质细胞和神经元干细胞祖细胞分化为中枢神经系统细胞，如运动神经元和周围神经元或星形胶质细胞。



检测数据精选

Human FGF2 / b-FGF, C-His, Flag Tag Protein | HA210582

FGF2 / b-FGF由垂体和下丘脑分泌，对神经系统具有一定的营养作用。
在神经干细胞培养中，FGF-2与EGF联合使用可促进神经干细胞的增殖和维持。



用NIH/3T3细胞进行细胞增殖实验，结果显示ED50≤0.01 ng/mL。

特色神经细胞培养蛋白推荐

Product name	Catalog#	Source
Human EGF, Tag Free	HA210717	HEK293
Human FGF1, C-His Tag	HA211079	E.coli
Human FGF10, C-Flag	HA210794	E.coli
Human FGF19, Tag Free	HA210981	HEK293
Human FGF2/b-FGF, C-His, Flag Tag	HA210582	E.coli
Human FGF-21, C-His Tag	HA210921	HEK293
Human FGF-4, C-His Tag	HA210946	E.coli

Product name	Catalog#	Source
Human FGF7, Tag Free	HA210829	E.coli
Human GM-CSF, Tag Free	HA210712	HEK293
Human HGF, Tag Free	HA210913	HEK293
Human IGF1, Tag Free	HA210866	HEK293
Human IL-1 beta/IL1B, C-His Tag	HA210576	HEK293
Human IL-2, Tag Free	HA210795	HEK293
Human IL-3, Tag Free	HA210928	HEK293

Product name	Catalog#	Source
Human IL-4, Tag Free	HA210763	HEK293
Human IL-5, C-His Tag	HA210594	HEK293
Human IL-6, Tag Free	HA210797	HEK293
Human IL-7, Tag Free	HA210815	HEK293
Human Mature TGF beta 1 Protein	HA210007	HEK293
Human Noggin/NOG, Tag Free	HA210726	HEK293
Human NRG1, Tag Free	HA210772	HEK293
Human PDGF-B, Tag Free	HA210859	HEK293
Human Prolactin/PRL, C-His, Flag Tag	HA210676	HEK293
Human R-spondin-1/RSPO1, Tag Free	HA210730	HEK293
Human TNF-alpha, C-His Tag	HA210761	HEK293

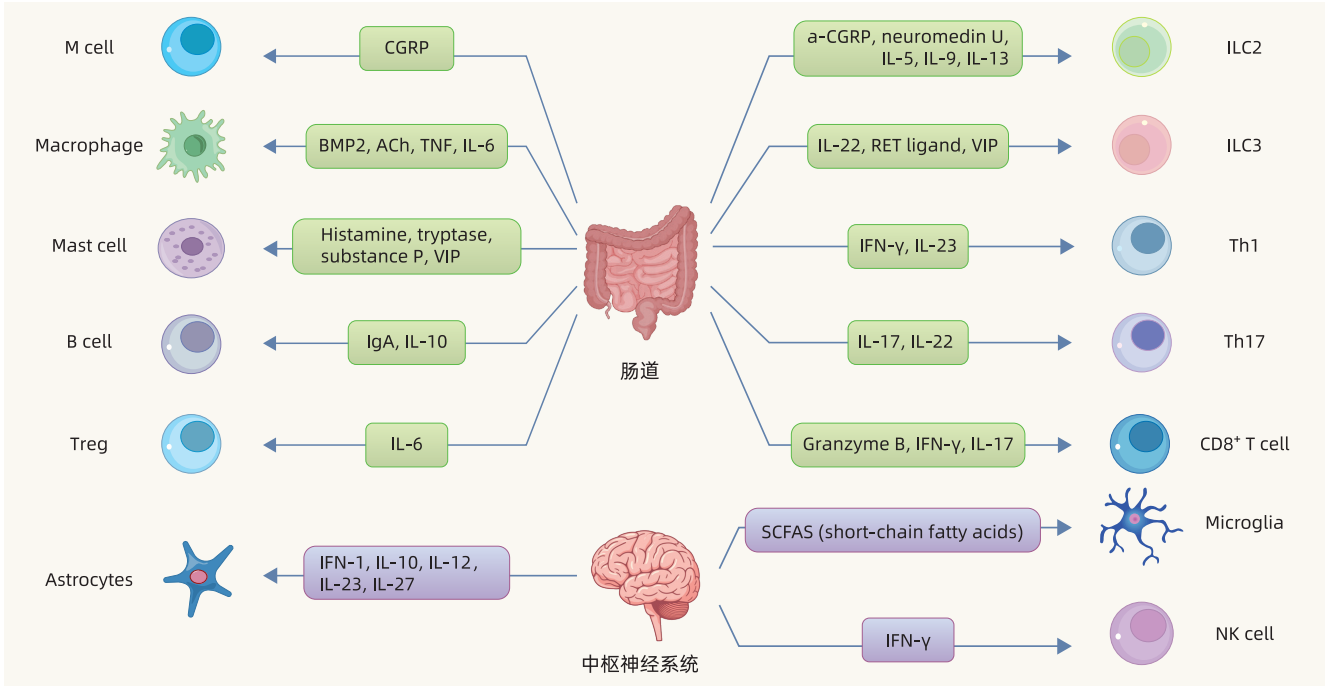
Product name	Catalog#	Source
Human VEGF121, Tag Free	HA210929	HEK293
Human VEGF165, Tag Free	HA210784	HEK293
Human VEGF-C, C-His, Flag Tag	HA210869	HEK293
Mouse EGF, Tag Free	HA211220	HEK293
Mouse FGF-21, Tag Free	HA211166	HEK293
Mouse IGF1, Tag Free	HA210936	HEK293
Mouse TNF-alpha, C-His, Flag Tag	HA210527	HEK293
Mouse VEGF164, Tag Free	HA210780	HEK293
Mouse VEGF188, Tag Free	HA210770	HEK293
Rat IGF1, Tag Free	HA211009	HEK293

扫码了解更多
“蛋白”产品信息



神经炎症与免疫调控蛋白

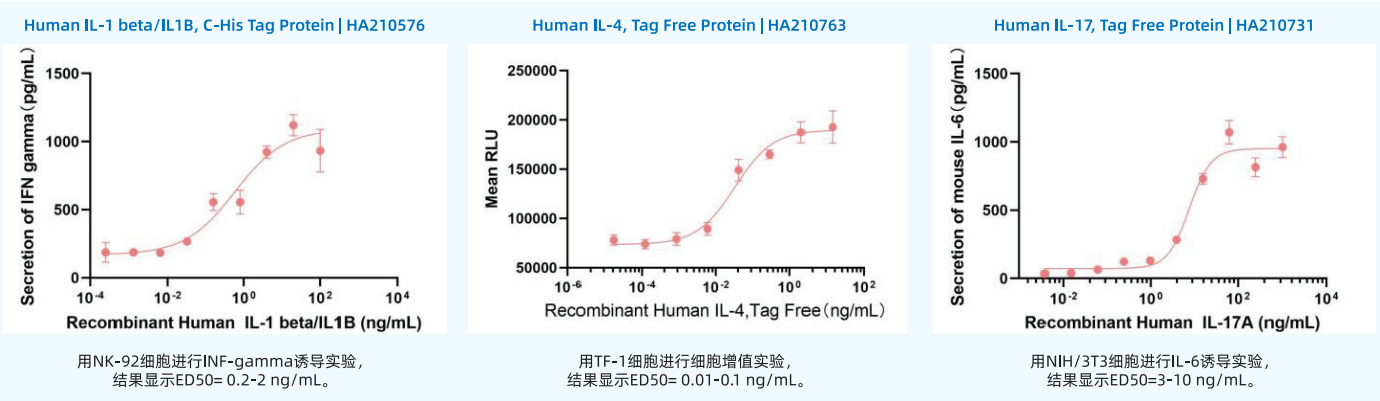
神经炎症与免疫调控过程是一个涉及神经元-胶质细胞-免疫细胞复杂交互的网络体系，其中白介素家族是关键的信息传递者。在肠-脑轴炎症信号传递的过程中，IL-1β，IL-6，IL-10，IL-17，IL-22等细胞因子可以调控中枢神经系统的炎症感知、炎症反应及免疫稳态，已经成为神经免疫领域的关键调控信号（PMID:34822299）。



主要白介素成员在神经炎症中的调控功能及优质蛋白推荐

白介素	主要功能	关联神经疾病	优质蛋白推荐
IL-1β	强促炎作用，激活H2A.X DSB通路	阿尔茨海默病、感染性认知障碍	Human IL-1 beta, C-His Tag Protein HA210576 Mouse IL-1 beta/IL1B, C-His Tag Protein HA210962
IL-6	双重作用：促炎/抗炎，神经保护	神经病理性疼痛、多发性硬化	Human IL-6, Tag Free Protein HA210797 Mouse IL-6, Tag Free Protein HA210796
IL-2	促进Treg细胞扩增，抑制炎症	多发性硬化、中风、ALS	Human IL-2, Tag Free Protein HA210795 Mouse IL-2, Tag Free Protein HA210816
IL-4	诱导M2极化，抗炎，促进修复	脑损伤、脱髓鞘疾病	Human IL-4, Tag Free Protein HA210763 Mouse IL-4, Tag Free Protein HA210902
IL-10	强力抗炎，抑制多种促炎因子	脑创伤、自身免疫性神经炎症	Human IL-10, Tag Free Protein HA210988 Mouse IL-10, C-His, Flag Tag Protein HA210569
IL-17	破坏血脑屏障，招募中性粒细胞	多发性硬化、自身免疫性脑炎	Human IL-17A, Tag Free Protein HA210731 Mouse IL-17A, C-Flag Protein HA210791

检测数据精选



客户引用案例精选

标题：A polyvalent vaccine for selectively killing tumor-associated bacteria to prevent cancer metastasis

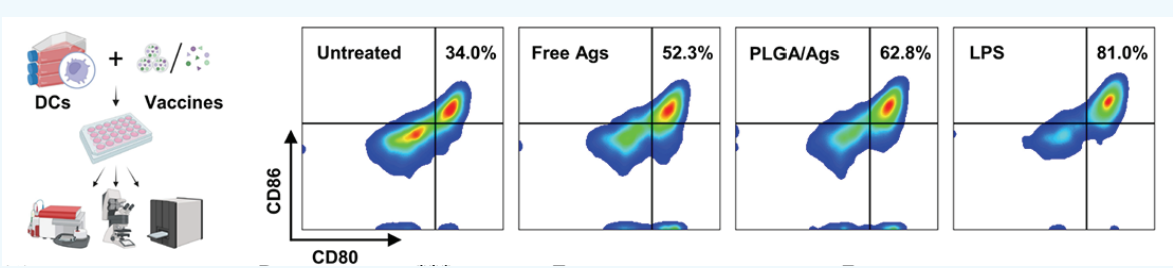
期刊名称： *Sci Adv.* 2025 Mar 14;11(11):eadt0341.

PMID：40085697 IF：11.7

产品名称： **Mouse IL-4, Tag Free Protein | HA210902**

应用类型：0.01% IL-4蛋白联合GM-CSF蛋白体外诱导BMDC分化、成熟。用流式细胞术检测CD80+CD86+双阳细胞比例

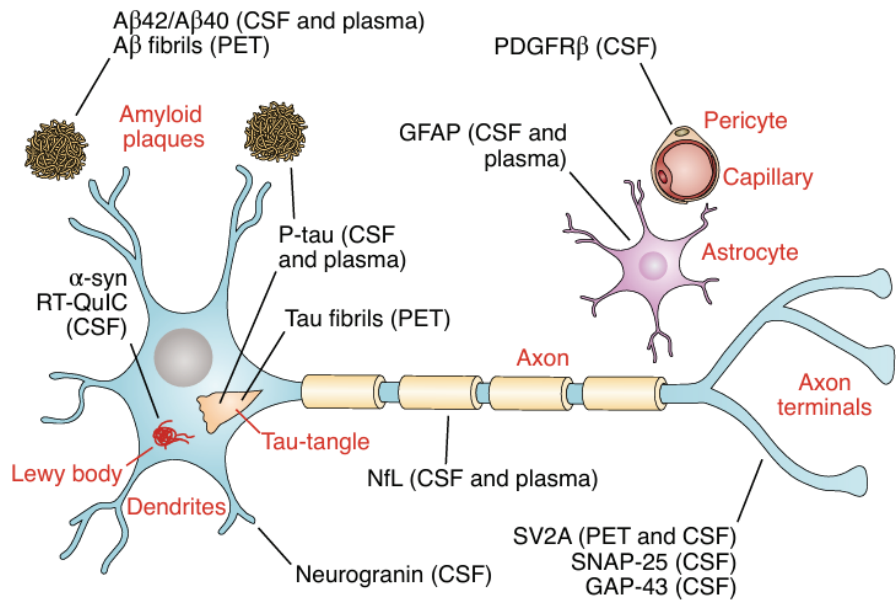
科研单位：苏州大学



神经疾病诊断 & 治疗抗原

在转化医学研究中，将基础生物学发现与疾病诊断和治疗相连接至关重要。疾病相关抗原不仅是机制研究的核心，更是开发生物标志物（Biomarker）和靶向疗法的基石。

华安生物（HUABIO）提供系列神经疾病诊断抗原，可用于相关疾病诊断。



神经退行性疾病的生物标志物 (PMID: 34083813)

关键靶标蛋白

靶标名称	主要关联疾病	优质蛋白推荐
Aβ42	AD的核心驱动靶点，AD的经典病理标志之一	Aβ42 Protein HA210499
NF-L	泛神经损伤标志物 (MS, AD, PD, ALS, Stroke)	Human NFL, Tag Free Protein HA211087
BACE1	AD治疗的关键干预靶点	Human BACE1, C-His Tag Protein HA211177
Tau /	Phospho-Tau (T217)是AD早期诊断中高度敏感和	Human Tau/Tau441, C-His (isoform 2N4R) Protein HA210937
Phospho-Tau (T217)	特异的血液和脑脊液生物标志	Human Tau/Tau758, C-His (isoform PNS-tau) Protein HA211246
Alpha-Synuclein	PD、路易体痴呆（DLB）、多系统萎缩（MSA）的核心靶点	Human alpha-Synuclein, C-His Tag Protein HA211150
PARK7	家族性帕金森病的相关靶点	Human PARK7, Tag Free Protein HA211158
APOE4	最强的散发性AD遗传风险因子	Human APOE4 (C130R), Tag Free Protein HA210965
beta-NGF	神经营养因子家族核心成员。外源性NGF也是治疗研究的方向	Human beta-NGF, Tag Free Protein HA211073
Nectin-2	突触可塑性，神经网络	Human Nectin-2, C-His Tag (ECD) Protein HA210905
GFAP	神经炎症/胶质增生标志物 (AD, TBI, Stroke)	Human GFAP, Tag Free Protein HA210990
TREM2	AD神经免疫调控的核心靶点	Human TREM2, N-Strep II, C-His Tag Protein HA210647
S100B	在急性脑损伤（如TBI、脑卒中）中迅速升高，是血脑屏障完整性的指标	Human S100B, Tag Free Protein HA211252

注意：以上产品仅供科研使用，不用于诊断程序。