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神经发育研究解决方案
Neurodevelopment Research

让研究变得简单

 华安生物
H U A B I O

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神经发育研究前沿

01

神经发育是一个高度复杂且精细调控的过程，涉及神经前体细胞的增殖与分化、神经元的迁移与定位以及突触网络的建立与精细化等多个关键阶段。任何遗传或环境因素导致的异常都可能引发神经发育障碍（NDDs）。此外，神经免疫互作、肠道微生物-脑轴对神经发育的影响、各类神经细胞亚型的特异性标记与功能以及基于类器官模型的发育研究，已成为当前领域的前沿焦点。

01 神经营养支持

关键解决问题：神经营养因子如何调控神经元存活、分化与突触可塑性

02 神经发生

关键解决问题：如何精确追踪和表征神经干细胞从增殖到分化为成熟神经元的过程

03 神经元迁移与极化

关键解决问题：神经元如何迁移至正确位置并建立极性（轴突/树突）

04 突触生成与成熟

关键解决问题：功能性神经环路是如何构建和成熟

为支持神经发育和再生研究，华安生物（HUABIO）提供了一系列经过严格验证的高质量研究工具，覆盖从神经干细胞分化到突触功能研究的各个方面。我们的产品旨在帮助研究者深入解析神经发育和再生的分子机制，推动神经系统疾病治疗策略的开发。

抗体产品的核心优势



高特异性

经过严格验证，确保抗体与目标蛋白的特异性结合



多应用支持

适用于IHC-Fr、IHC、IF、mIHC等神经科学研究热门实验技术



多种属来源

在同一张切片实现对多靶标进行多维度的全面分析



稳定可靠

严格的质控流程，确保批次间一致性

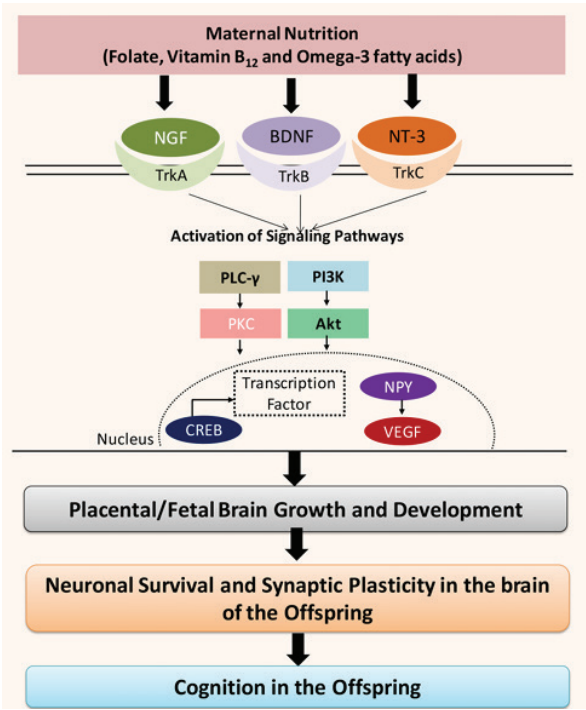
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相关产品信息



神经营养因子信号通路调控

神经营养因子（Neurotrophins）如神经生长因子（NGF）、脑源性神经营养因子（BDNF）等，在神经元存活、突触可塑性和轴突生长中扮演着核心角色。

神经营养因子的研究不仅有助于理解神经系统发育和稳态维持的基本机制，还为多种神经退行性疾病和损伤修复提供了潜在治疗策略。



母体营养调控神经营养因子与神经肽的可能机制（PMID: 32778339）

华安生物（HUABIO）提供一系列与神经营养因子及其下游信号通路相关的抗体，通过WB、IHC、ELISA等方法检测这些因子在不同组织或细胞模型中的表达与分布，助力研究者研究神经营养因子在神经元存活、突触可塑性和轴突生长等方向的前沿突破。

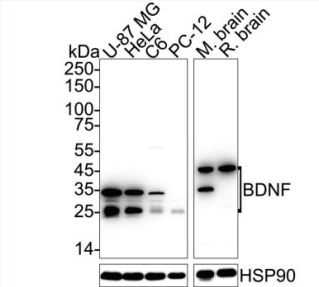
关键神经营养因子、受体及产品推荐

神经营养因子	主要受体	主要脑功能/作用
BDNF	TrkB, p75NTR	突触可塑性，学习与记忆，神经发生，神经元存活与生长，应激反应
* 优质产品推荐: BDNF Rabbit mAb HA722912; Human/Mouse BDNF ELISA Kit EH0069		
NGF	TrkA, p75NTR	胆碱能神经元存活，注意力，感觉与交感神经元维持，神经发生
* 优质产品推荐: NGF Rabbit mAb ET1606-29; Human beta-NGF ELISA Kit EH0065; Human NGF Matched Antibody Pair HA722902(Cap); HA722904(Det)		
GDNF	GFRα1/Ret, NCAM	多巴胺能神经元存活，运动控制，部分认知功能(PD相关)，感觉神经元存活
* 优质产品推荐: GDNF Rabbit mAb ET1704-46		
NT-3	TrkC (主要), TrkA, TrkB, p75NTR	神经元存活与分化(发育)，感觉与运动神经元生长，神经可塑性，海马神经发生
* 优质产品推荐: Sortilin/NT3 Rabbit mAb HA722513		

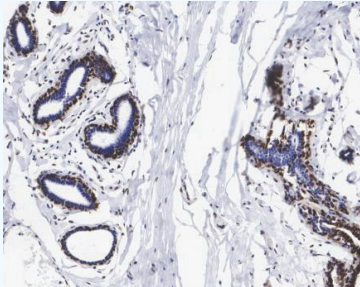
关键神经营养因子、受体及产品推荐

神经营养因子	主要受体	主要脑功能/作用
IGF-1	IGF-1R	神经元生长、存活与分化，突触可塑性，认知功能
* 优质产品推荐: Mouse/Rat IGF-1 ELISA Kit EM0024; Mouse/Rat IGF1 ELISA Kit EMY0024 (one step)		
VEGF	VEGFR	血管生成，神经保护，神经元存活，神经发生(尤其缺氧/缺血后)
* 优质产品推荐: VEGF Rabbit mAb ET1604-28; Human VEGF ELISA Kit EH0075; Mouse VEGF ELISA Kit EM0013; Mouse VEGF Matched Antibody Pair HA721850(Cap); HA721851(Det)		
FGF-2	FGFR	神经元与胶质细胞增殖分化，神经发育，海马神经发生，LT，记忆
* 优质产品推荐: FGF2 Rabbit mAb ET1703-18; Human FGF basic/FGF2/bFGF ELISA Kit EH0024; Human FGF2 Matched Antibody Pair HA721780(Cap); HA721781(Det)		
TGF-β	TGF-βR	细胞生长与分化调控，免疫反应，血脑屏障维持，神经炎症
* 优质产品推荐: TGF beta 1 Rabbit mAb HA721143; TGF beta 1 Rabbit mAb IRS205RB; Human/Mouse/Rat/Porcine/Canine TGF-β1 ELISA Kit EH0012; TGF beta 1 Matched Antibody Pair HA723725 (Cap); HA723726(Det)		
CNTF	CNTRα/LIFRβ/gp130	运动神经元存活，神经保护，胶质细胞调节
* 优质产品推荐: Human CNTF ELISA Kit EH0147; Human CNTF Matched Antibody Pair HA723384 (Cap); HA723385(Det)		

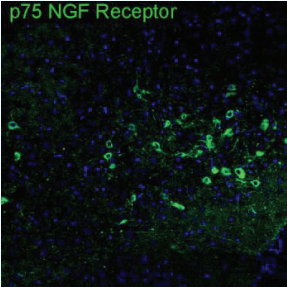
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相关产品信息



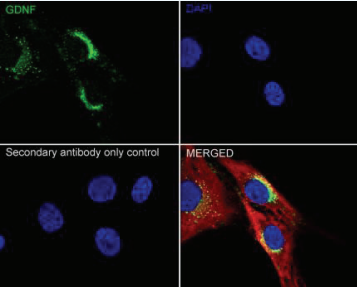
BDNF Rabbit mAb | HA722912
WB analysis on different lysates
(1/2,000 dilution)



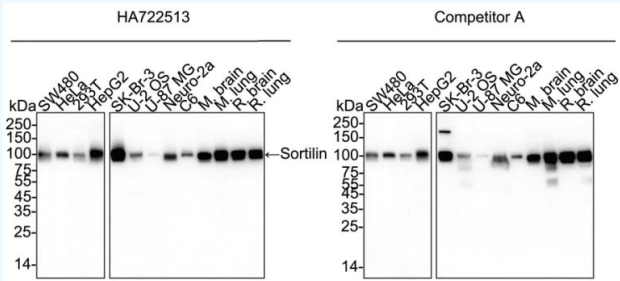
FGF2 Rabbit mAb | ET1703-18
IHC-P staining with human breast tissue
(1/1,000 dilution)



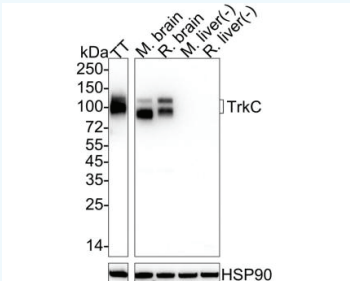
p75 NGF Receptor Rat mAb | HA601436
IHC-Fr staining with mouse brain tissue
(medial septum, 1/200 dilution)



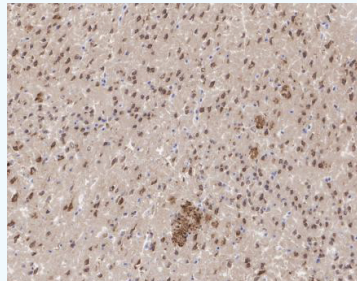
GDNF Rabbit mAb | ET1704-46
IF-Cell staining with C6 cells (1/100 dilution)



Sortilin/NT3 Rabbit mAb | HA722513
WB analysis on different lysates (1/1,000 dilution)



TrkC Rabbit mAb | HA722269
WB analysis on different lysates
(1/1,000 dilution)

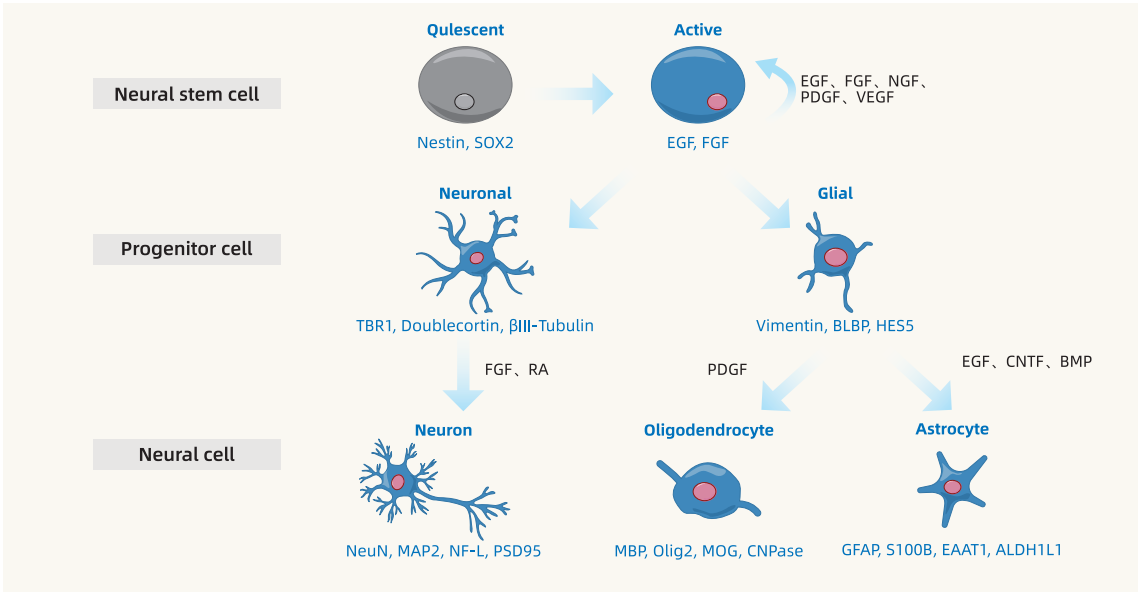


APP/β-Amyloid Rabbit mAb | HA722207
IHC-P staining with AD mouse brain tissue
(1/1,000 dilution)

神经发生与细胞命运鉴定

神经发生是指神经干细胞/祖细胞分化为神经元的过程，这一过程贯穿胚胎发育并在成年大脑的特定区域持续存在。神经发生受到精确的分子调控，涉及多种转录因子、信号通路和细胞外基质蛋白。

研究神经发生通常需要结合体外和体内模型，模拟神经发生过程。技术方面，[免疫荧光染色用于标记和追踪神经干细胞及其后代](#)（使用如SOX2、DCX等标记物）。

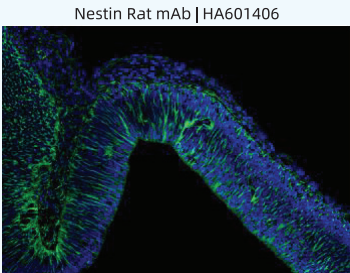
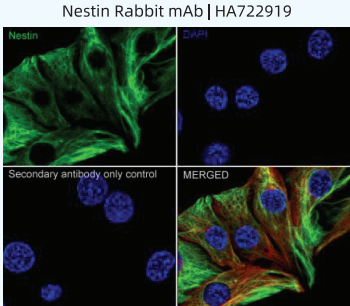


神经细胞谱系的分化、发育示意图

优质抗体推荐

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
BRG1	ET1611-85	H,Ms,R,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr,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
EAAT1	ET1704-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
E-Cadherin	ET1607-75	H,Cmk	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP,mIHC	Rabbit mAb
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
HES5	HA722699	H,Ms,R,Cmk,P	WB,IHC-P	Rabbit mAb
Musashi 1	ET1606-51	H,Ms,P,Cmk	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
N Cadherin	ET1607-37	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb

Neural stem cells

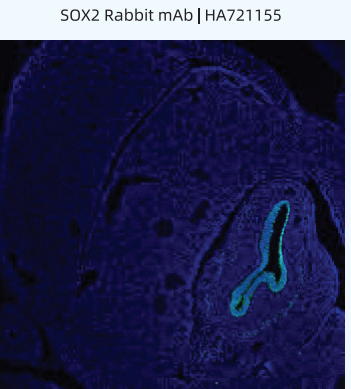
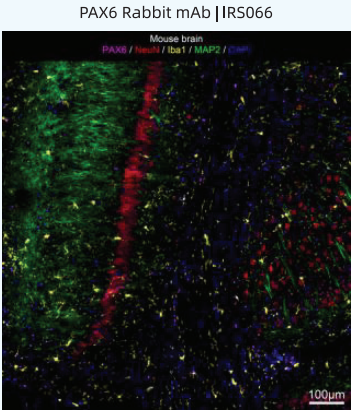


IHC-Fr staining with mouse E14.5 embryo tissue (1/1,000 dilution)

Neural stem cells				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
N Cadherin	HA601464	H,Ms,R	IHC-Fr,IHC-P	Mouse 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
Occludin	ET1701-76	H,Ms,R,Cmk,P	WB,IP,FC,IF-Cell,IHC-P,IHC-Fr	Rabbit mAb
Pan-Cadherin	ET1609-70	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,IHC-Fr	Rabbit mAb
PAX6	ET1612-89	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
PAX6	ET1612-58	H,Ms,R	WB,IHC-P,FC,mIHC,IF-Cell,IF-Tissue,IHC-Fr	Rabbit mAb
SOX1	HA723215	H,Ms,R,Cmk,P	WB,IHC-Fr,IHC-P	Rabbit mAb
SOX10	HA601413	Ms,R,Cmk,P	IHC-Fr,IHC-P,IF-Tissue	Rat mAb
SOX10	HA721240	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,FC,IHC-Fr,IP	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	H,Ms	IHC-Fr,WB	Chicken mAb
SOX2	HA601500	H,Ms	IHC-Fr,WB	Guinea pig mAb
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
ZO1	HA722797	H,Ms,Mk,Cmk	WB,IF-Cell	Rabbit mAb

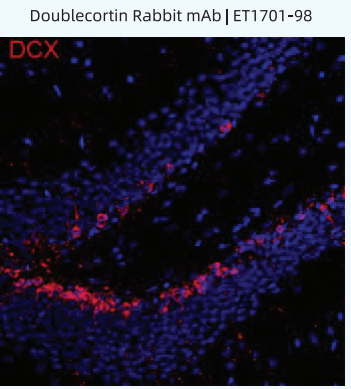
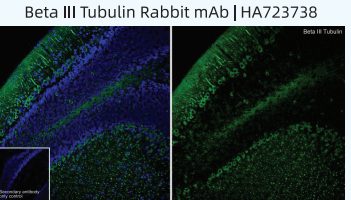
Immature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Beta III Tubulin	M0805-8	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Mouse mAb
Beta III Tubulin	ET1604-17	H,Ms,R	WB,IHC-P,IP,FC,IHC-Fr,IF-Cell	Rabbit mAb
Beta III Tubulin	HA723738	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP	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
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 1	ET1609-20	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb

Neural stem cells



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

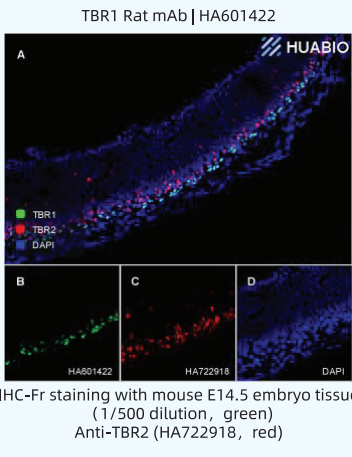
Immature neurons



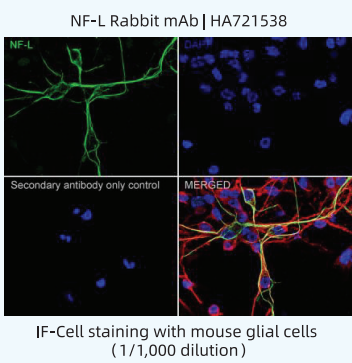
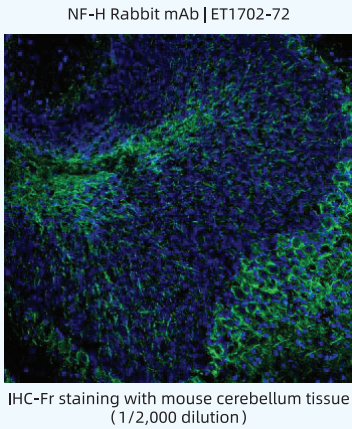
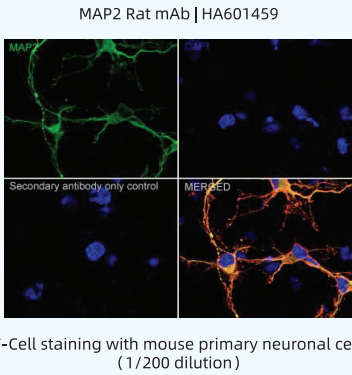
IHC-Fr staining with rat hippocampus tissue (1/500 dilution)

Immature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
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
BRN3A	HA601412	Ms	IHC-Fr,IHC-P	Rat mAb
BRN3A	HA723361	Ms,R	IHC-Fr,IHC-P,WB	Rabbit mAb
CD90 / THY1	ET1702-92	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
MAP2	HA500177	H,Ms,R	WB,IF-Cell,IHC-P,mIHC	Rabbit pAb
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
NeuN	HA601482	H,Ms,R	IHC-Fr,IHC-P,WB	Mouse 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	HA721498	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue	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
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

Immature neurons



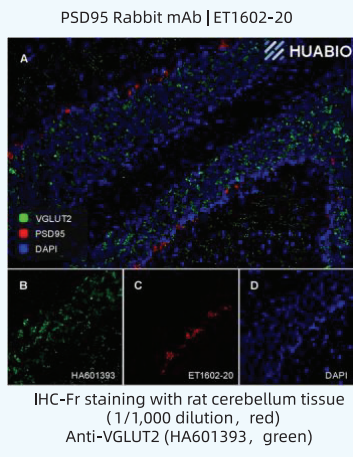
Mature neurons



Mature neurons				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
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

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

Mature neurons

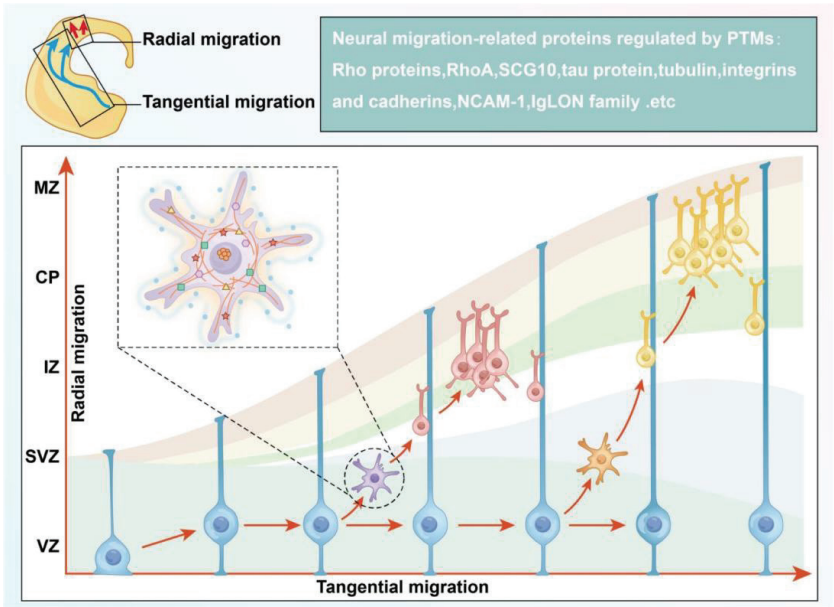


扫码了解更多“神经发生研究”
相关产品信息



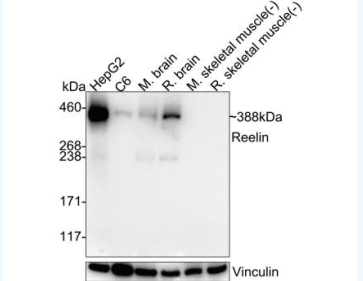
神经元迁移与极化

神经元迁徙和极化是大脑皮层发育的关键过程，受到细胞骨架元件、细胞外信号和细胞内蛋白的精密调控。神经元极化是神经元建立轴突和树突特化结构的过程，是神经元功能实现的基础。

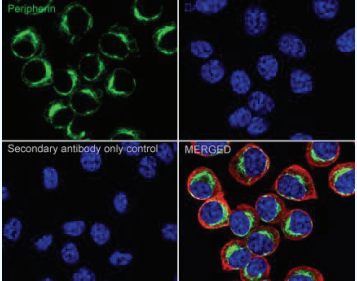


神经元迁移模式及其关联蛋白（PMID: 40120399）

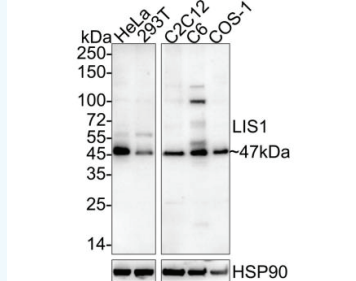
研究神经元迁移与极化，本质上是研究细胞骨架动态、极性蛋白复合物和导向信号通路三者之间的调控网络。我们提供多靶标联合检测的策略（例如，用DCX标记迁移神经元，同时用磷酸化抗体检测其内部信号活化状态），助力研究人员从现象到机制研究的全面突破。



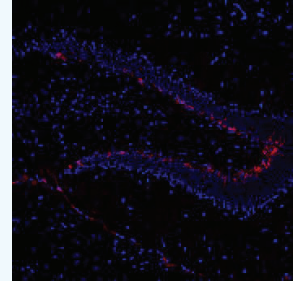
Reelin Rabbit mAb | ET1704-98
WB analysis on different lysates
(1/1,000 dilution)



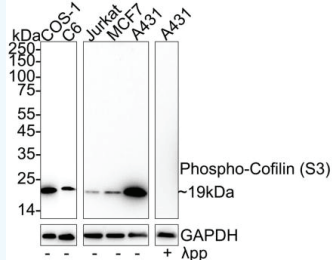
Peripherin Rabbit mAb | HA723234
IF-Cell staining with Neuro-2a cells
(1/1,000 dilution)



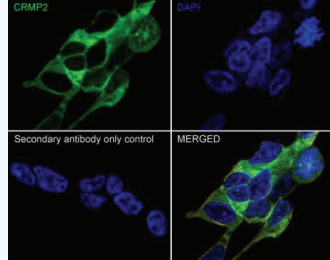
LIS1 Rabbit mAb | HA722143
WB analysis on different lysates
(1/1,000 dilution)



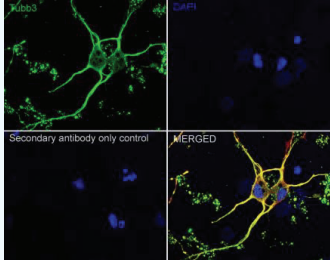
Doublecortin Mouse mAb | HA601497
IHC-Fr staining with mouse hippocampus tissue (1/500 dilution)



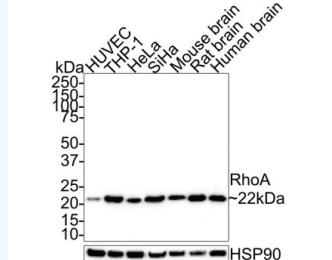
Phospho-Cofilin (S3) Rabbit mAb | HA722806
WB analysis on different lysates
(1/2,000 dilution)



CRMP2 Rabbit mAb | HA721560
IF-Cell staining with SH-SY5Y cells
(1/100 dilution)



Beta III Tubulin Rabbit mAb | HA723738
IF-Cell staining with mouse neuron cells
(1/500 dilution)



RhoA Rabbit mAb | ET1611-10
WB analysis on different lysates
(1/1,000 dilution)

扫码了解更多“神经元迁移与极化研究”
相关产品信息



典型案例

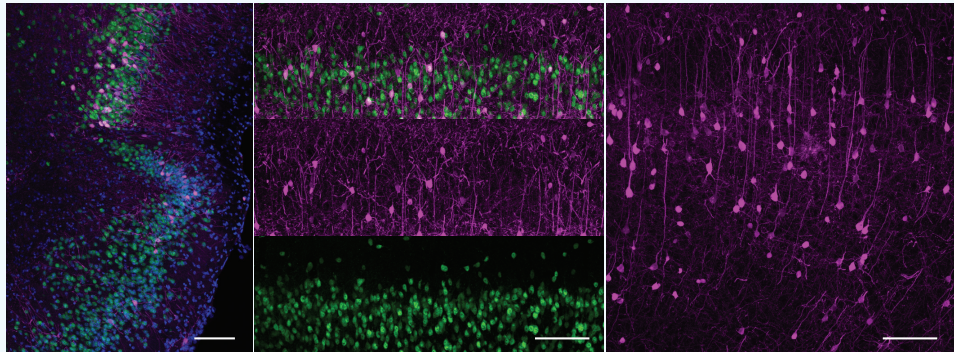
Case：标记皮层NeuN有效评估神经发生、迁移和成熟的最终状态

样本类型：TRAP2::Ai14小鼠脑组织冰冻切片（梨状皮层、前额叶皮层）

产品名称：**NeuN Rabbit mAb | ET1602-12**

应用：IHC-Fr (1/1,000 dilution)

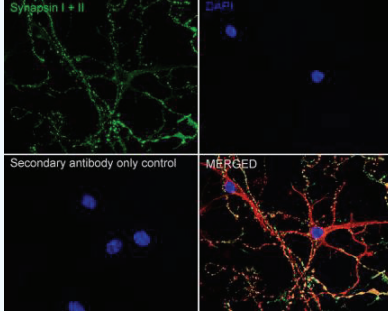
科研单位：浙江大学



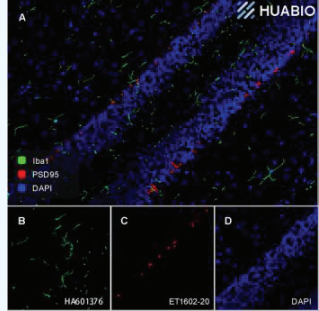
突触发生与成熟

突触发生是神经元之间形成功能性连接的过程，对神经环路的构建和功能至关重要。这个过程涉及突触前活性区的组装、突触后致密区的形成以及神经递质释放机制的建立。突触成熟则包括突触结构的精细化和功能特性的稳定，通常依赖于神经活动。

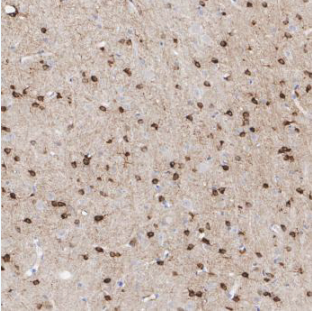
研究突触发生和成熟通常需要高分辨率的成像技术和分子生物学方法。



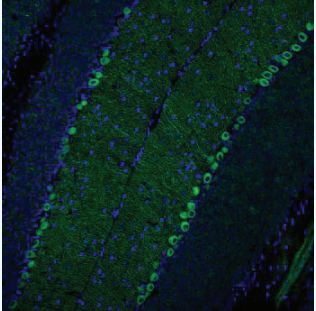
Synapsin I + II Rabbit mAb | HA723196
IF-Cell staining with mouse primary neuronal cells
(1/500 dilution)



PSD95 Rabbit mAb | ET1602-20
IHC-Fr staining with mouse cerebellum tissue (1/500 dilution, red)
Anti-Iba1 (HA601376, green)



NMDAR1 Rabbit mAb | ET1703-75
IHC-P staining with rat cerebral cortex tissue (1/1,000 dilution)

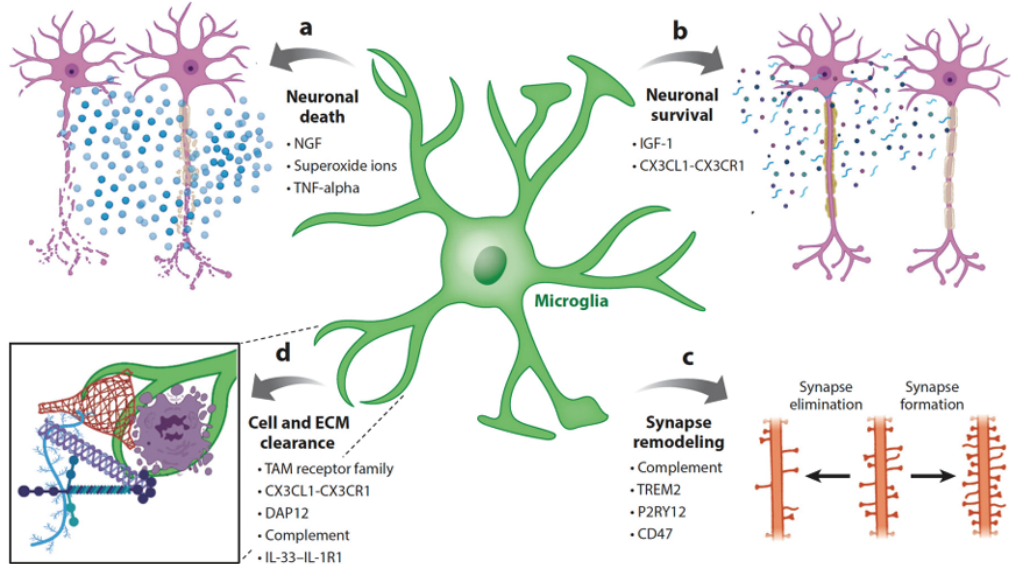


GABA B Receptor 1 Rabbit mAb | HA722653
IHC-Fr staining with mouse cerebellum tissue (1/500 dilution)

胶质细胞，特别是星形胶质细胞和小胶质细胞，通过分泌信号分子、维持稳态和物理吞噬等多种机制，对突触的发生、成熟、功能和最终修剪进行着全方位、立体的精密调控。

现以小胶质细胞的调控作用为例，进行阐述 - 小胶质细胞：突触的“园丁”与“清道夫”

作为中枢神经系统的常驻免疫细胞，小胶质细胞通过持续的突触监测和吞噬作用，主导发育期和成年期的突触修剪。因此，被称作突触的“园丁”与“清道夫”。



小胶质细胞在神经回路发育障碍中的调控示意图（PMID: 35436413）

典型案例

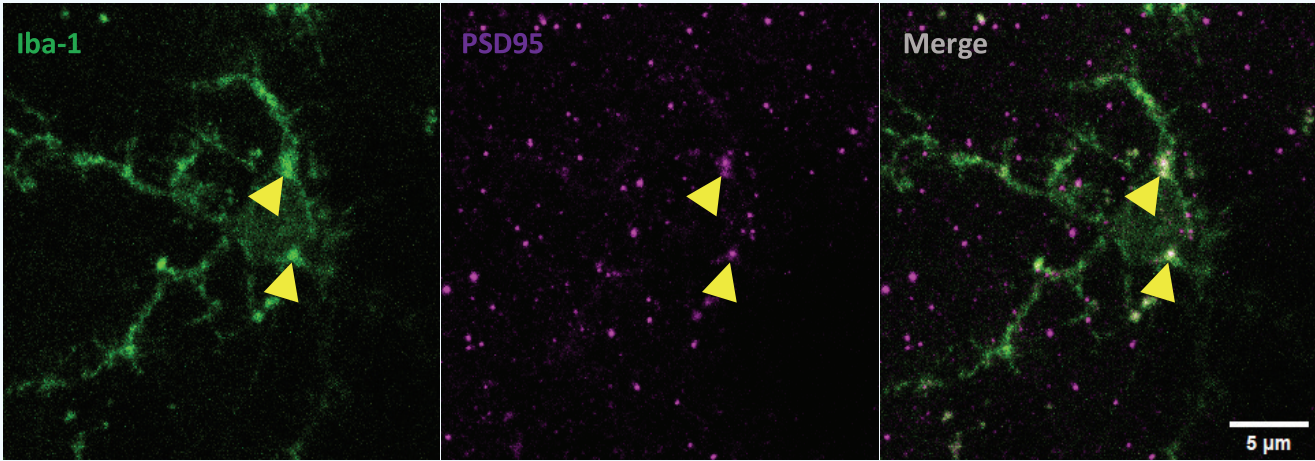
Case1：Iba1与PSD-95共标，可视化胶质细胞-突触的相互作用

样本类型：小鼠大脑组织冷冻切片

产品名称：**Iba1 Rat mAb | HA601367；PSD95 Rabbit mAb | ET1602-20**

应用：IHC-Fr (1/1,000 dilution)

科研单位：浙江大学



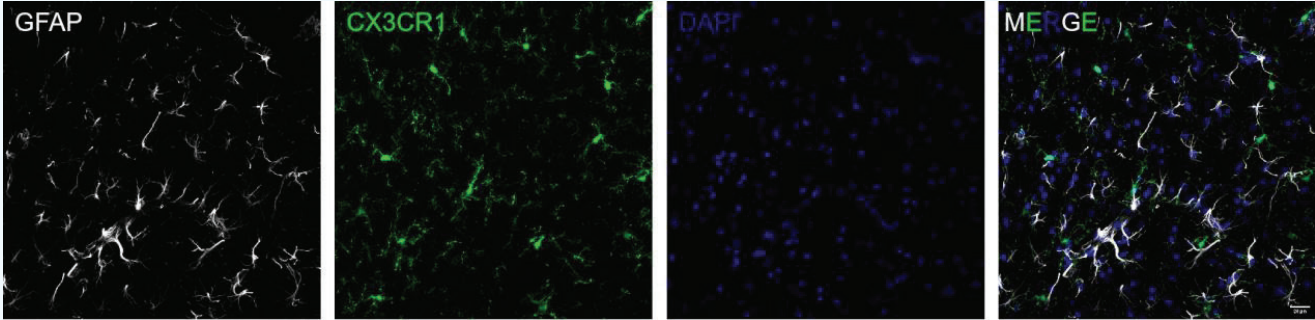
Case2：GFAP与CX3CR1共标，可视化星形胶质-小胶质细胞间的通讯作用

样本类型：小鼠胼胝体组织冰冻切片

产品名称：**GFAP Mouse mAb | EM140707**

应用：IHC-Fr (1/1,000 dilution)

科研单位：浙江大学



为深入解析胶质细胞对突触的调控，需要对发育过程中的细胞进行标记与鉴定，功能验证，及研究相关的信号通路。华安生物（HUABIO）致力于提供经过严格验证的高特异性抗体，以及相关检测试剂盒，助力研究人员精准捕捉神经胶质相互间的复杂调控，共同推动神经科学前沿的突破。

优质产品推荐

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
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
Axl	HA722740	H,Mk	WB,IF-Cell,FC	Rabbit mAb
BDNF	HA722912	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr,FC	Rabbit mAb
C1QA	HA721439	H	WB,IHC-P	Rabbit mAb
CaMKII	ET1608-47	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr,FC	Rabbit mAb
CaMKII alpha	ET1703-54	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,IF-Cell,FC,IP	Rabbit 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
CD11b	ET1706-04	H	WB,IP,IHC-P,IF-Cell,IF-Tissue,mIHC	Rabbit mAb
CD11b	HA722075	H,Ms,R	WB,IHC-P,IF-Tissue	Rabbit mAb
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	ET7111-03	H	WB,IHC-P,FC,IF-Tissue,mIHC	Rabbit 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	HA722285	Ms,R	WB,IF-Cell,IHC-P,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
CNPase	ET1702-46	H,Ms,R,Cmk	WB,IHC-P,IF-Tissue	Rabbit mAb
Connexin 43	HA721312	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
Cystatin C	ET1701-72	H,Ms,R	WB,IHC-P	Rabbit mAb
Cystatin F	HA723053	H,Ms	WB,IHC-Fr	Rabbit mAb

Product name	Catalog#	Reactivity	Tested applications	Antibody type
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	HA722831	H,Ms,R	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
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
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
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
Glutamate receptor 1	ET1612-10	H,Ms,R	WB,IHC-P,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
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
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
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
MAG	HA721818	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IP,IHC-Fr	Rabbit mAb
MAG	HA721819	H,Ms,R	WB,IHC-P,IF-Tissue	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

Product name	Catalog#	Reactivity	Tested applications	Antibody type
MAG	HA601510	Ms,R	IHC-Fr,WB	Guinea pig mAb
Mannose Receptor(CD206)	HA722892	Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr,IF-Cell,IP,mIHC	Rabbit mAb
Mannose Receptor(CD206)	HA601452	Ms,R	IHC-Fr,WB	Guinea pig mAb
Mannose Receptor(CD206)	HA601453	Ms,R	IHC-Fr,IF-Tissue,IHC-P,WB,IF-Cell	Mouse mAb
MOG	ET1705-16	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Mouse CD8 alpha	HA723820	Ms	FC,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
NG2	HA723167	H	WB,IF-Cell,FC	Rabbit mAb
NMDAR2B	HA722284	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
Notch 1	ET1606-55	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Olig2	ET1604-29	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,mIHC,IF-Cell	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
PDGFR alpha	ET1702-49	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit 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
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
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
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
SLC32A1 / VGAT	HA723292	Ms,R,Cmk,P	IHC-Fr,IHC-P	Rabbit mAb
SLC32A1 / VGAT	HA601384	Ms,R,Cmk,P	IHC-Fr,IHC-P	Mouse mAb

Product name	Catalog#	Reactivity	Tested applications	Antibody type
SLC32A1 / VGAT	HA601471	Ms	IHC-Fr	Chicken mAb
SOX10	ET1612-79	H,Ms,R	WB,IHC-P,IF-Tissue	Rabbit mAb
SOX10	HA721239	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue,FC,IP	Rabbit mAb
SOX10	HA721240	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,FC,IHC-Fr,IP	Rabbit mAb
SOX10	HA721241	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue,FC	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
SOX9	ET1611-56	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IP,FC,CUT&Tag-seq,mIHC	Rabbit 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
Synaptophysin	ET1606-56	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	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

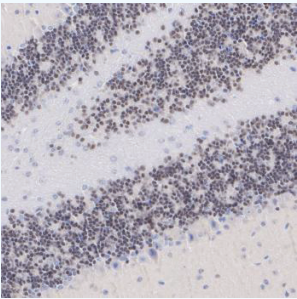
*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Z: Zebrafish; Cmk: Cynomolgus monkey; P: Pig; Gmk: Green monkey; Rb: Rabbit; G: Goat

扫码了解更多“突触发生与成熟研究”
相关产品信息

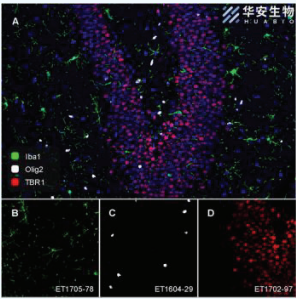
转录因子调控

转录因子是神经发育和功能调控的核心分子开关，通过调控下游基因的表达网络，决定神经细胞的命运、特化和功能。转录因子的表达和活性受到多层次的精密调控，其功能障碍与多种神经发育疾病密切相关。

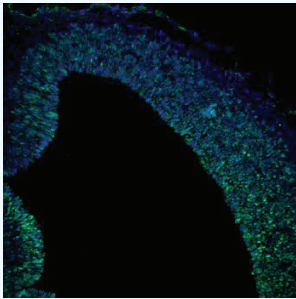
关键调控转录因子及产品推荐			
转录因子	主要功能	相关疾病	优质产品推荐
NeuroD1	是“神经发生开关”，促进细胞迁移和树突发育	神经发育障碍	NeuroD1 Rabbit mAb ET1703-73
PAX6	是大脑发育的“主调控因子”，促进放射状胶质细胞的对称分裂以扩增祖细胞池，并驱动其向神经元分化	自闭症谱系障碍（ASD），	PAX6 Rabbit mAb ET1612-58
		智力障碍	PAX6 Rabbit mAb IRS066
SOX2	是维持神经干细胞（NSCs）和多能干细胞“干性”（Self-renewal）的核心转录因子		SOX2 Rabbit mAb HA721155
		智力障碍，学习记忆缺陷	SOX2 Rat mAb HA601396
			SOX2 Rat mAb IRS240RB
TBR1	调控谷氨酸能神经元分化，大脑皮层分层	自闭症谱系障碍	TBR1 Rabbit mAb ET1702-97
FOXP1	是端脑发育的首要决定因子，调控大脑皮层前后轴和背腹轴模式形成	FOXP1综合征	FOXP1 Rabbit mAb HA723067
DLX2	是腹侧端脑（尤其是基底节节隆起）发育的核心因子，调控GABA能中间神经元的产生、迁移和分化	自闭症谱系障碍	Dlx2 Rabbit mAb HA723536
LHX2	在发育中的皮层中均匀表达，决定皮层的面积和大小	智力障碍	Lhx2 Rabbit mAb HA721900
NR2E1	是成年神经干细胞静息态的主要维持者，促进神经前体细胞的增殖和自我更新	双相情感障碍，精神分裂症	NR2E1 Rabbit mAb HA722548



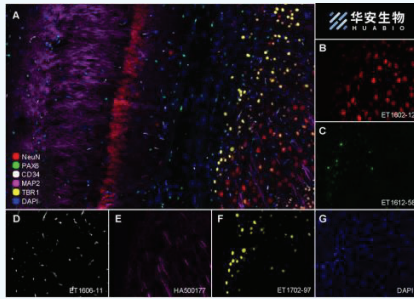
NeuroD1 Rabbit mAb | ET1703-73
IHC-P staining with mouse cerebellum tissue (1/500 dilution)



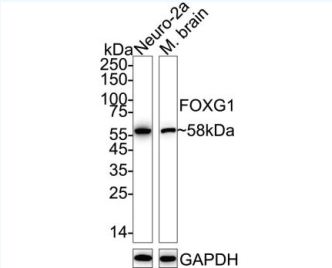
TBR1 Rabbit mAb | ET1702-97
mIHC staining with mouse brain tissue (1/1,000 dilution, red)
Anti-Iba1 (ET1705-78, green);
Anti-Olig2 (ET1604-29, white)



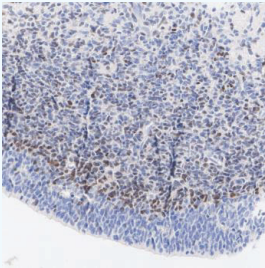
SOX2 Rat mAb | HA601396
IHC-Fr staining with mouse E14.5 embryonic brain tissue (1/500 dilution)



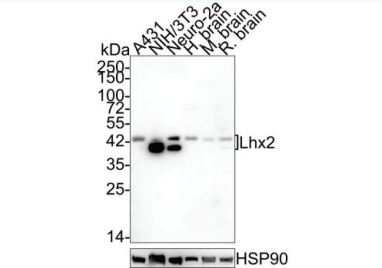
PAX6 Rabbit mAb | ET1612-58
mIHC staining with mouse brain tissue (1/1,000 dilution, green)
Anti-NeuN (ET1602-12, red);
Anti-CD34 (ET1606-11, gray);
Anti-MAP2 (HA500177, magenta);
Anti-TBR1 (ET1702-97, yellow)



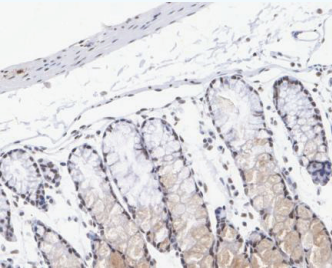
FOXG1 Rabbit mAb | HA723067
WB analysis on different lysates (1/2,000 dilution)



Dlx2 Rabbit mAb | HA723536
IHC-P staining with mouse embryo tissue (1/40,000 dilution)



Lhx2 Rabbit mAb | HA721900
WB analysis on different lysates (1/1,000 dilution)

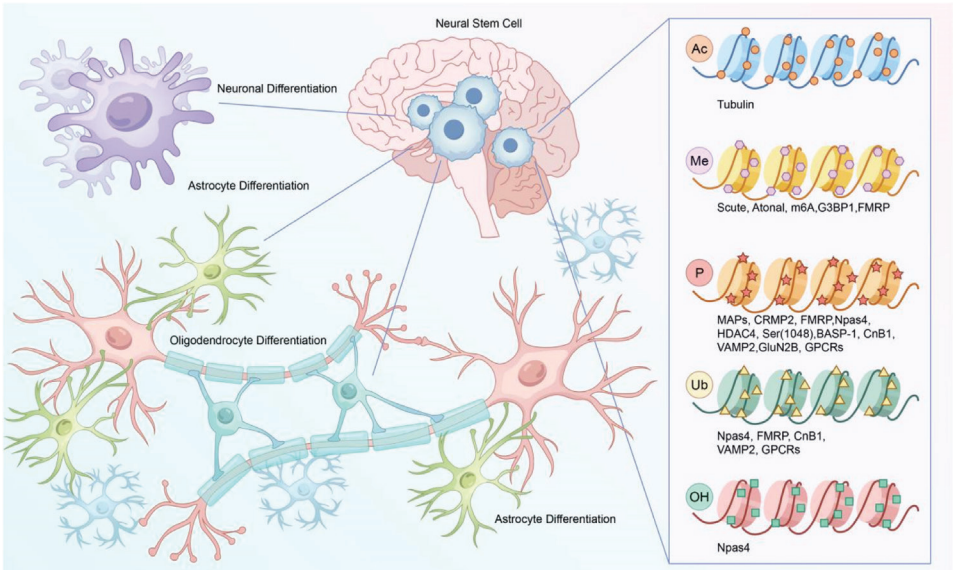


NR2E1 Rabbit mAb | HA722548
IHC-P staining with mouse colon tissue (1/1,000 dilution)

表观遗传修饰与翻译后调控

在神经发育中，表观遗传学的变化对神经元的分化、突触的形成和功能以及神经网络的建立具有重要影响。DNA甲基化的变化可以导致特定基因的激活或抑制，从而影响神经元的分化 and 功能。

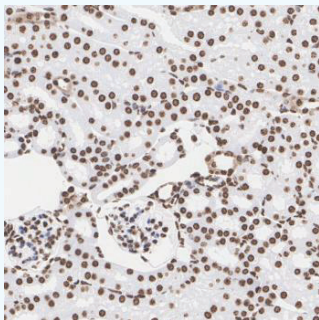
其次，组蛋白修饰也是神经发育中表观遗传学的关键组成部分，通过调节基因的表达，从而影响神经元的发育和功能。



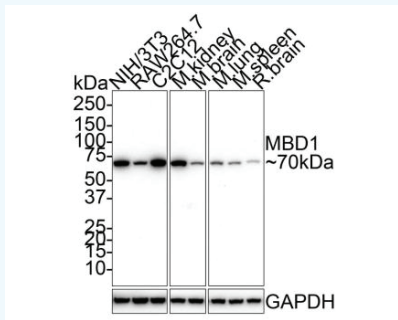
神经元分化的表观调控机制示意图（PMID: 40120399）

靶点名称	相关疾病	主要功能
MeCP2	神经发育衰退，自闭症谱系障碍	对神经元功能的成熟、突触的可塑性和稳态维持至关重要
* 优质产品推荐：MeCP2 Rabbit mAb HA723602		
MBD1	认知功能障碍	招募组蛋白去乙酰化酶和组蛋白甲基转移酶等复合物，共同营造局部的抑制性染色质环境
* 优质产品推荐：MBD1 Rabbit mAb HA721731		
CREB	认知障碍，神经退行性疾病	是学习记忆和神经元存活的核心分子
* 优质产品推荐：CREB Rabbit mAb HA723754; Phospho-CREB (S133) Rabbit mAb ET7107-93		
H3K9ac	神经发育障碍，情绪障碍	与启动子的激活相关
* 优质产品推荐：Histone H3 (acetyl K9) Rabbit mAb HA722132（ChIP级别）		
H3K27ac	神经发育障碍，情绪障碍	增强子活性的核心标志
* 优质产品推荐：Histone H3 (acetyl K27) Mouse mAb HA600048（ChIP级别）		
DNMT1	ASD，神经退行性疾病	促进神经分化，以及维持神经元特异性基因的表达模式
* 优质产品推荐：Dnmt1 Rabbit mAb ET1702-77		
H3K4me3	神经发育衰退，自闭症谱系障碍	活跃转录启动子的标志，与基因激活相关
* 优质产品推荐：Histone H3 (mono+di+tri methyl K4) Rabbit mAb HA722662（ChIP级别）		
H3K27me3	神经发育衰退，自闭症谱系障碍	转录抑制与异染色质的标志，维持基因组的稳定性
* 优质产品推荐：Histone H3 (tri methyl K27) Rabbit mAb HA722231（ChIP级别）		

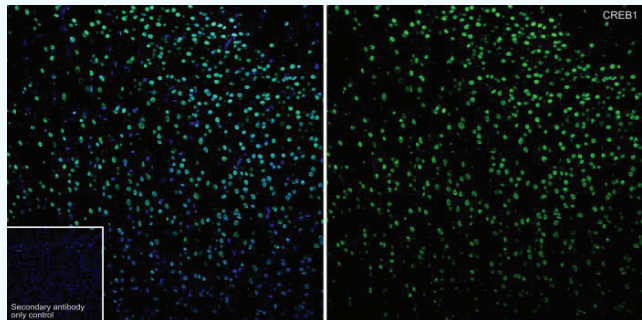
靶点名称	相关疾病	主要功能
H3K9me	神经发育衰退，自闭症谱系障碍	转录抑制与异染色质的标志，维持基因组的稳定性
* 优质产品推荐：Histone H3 (mono methyl K9) Rabbit mAb HA722350（ChIP级别）		
m6A	ASD，智力障碍	调控神经发生、轴突生长和突触可塑性，影响学习记忆
* 优质产品推荐：m6A Rabbit mAb HA721152; m6A Mouse mAb HA601049		
m5C	Rett综合征，ASD	调控神经分化、突触形成和神经元存活的关键基因
* 优质产品推荐：5-mC Mouse mAb HA601350		



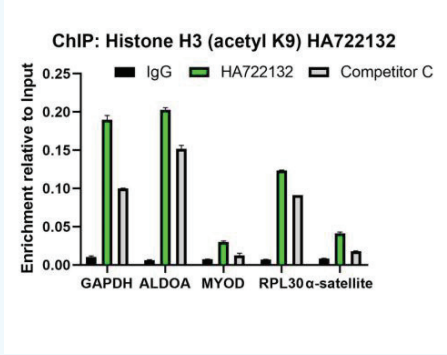
MeCP2 Rabbit mAb | HA723602
IHC-P staining with mouse kidney tissue (1/2,000 dilution)



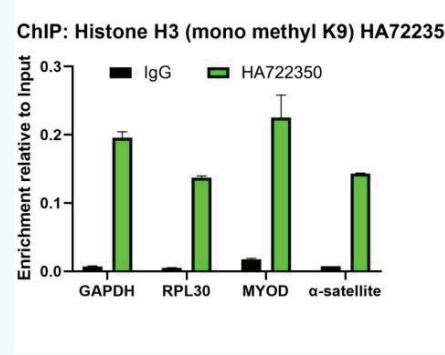
MBD1 Rabbit mAb | HA721731
WB analysis on different lysates (1/1,000 dilution)



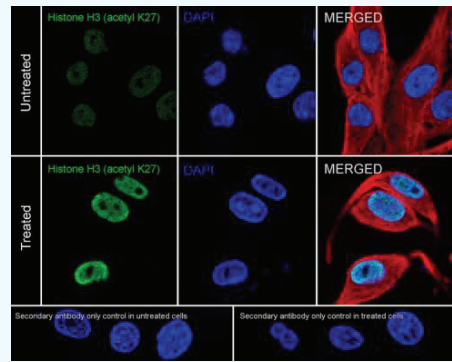
CREB Rabbit mAb | HA723754
IHC-Fr staining with mouse brain tissue (1/500 dilution)



Histone H3 (acetyl K9) Rabbit mAb | HA722132
ChIP analysis with cross-linked chromatin from HeLa cells compared with competitor C



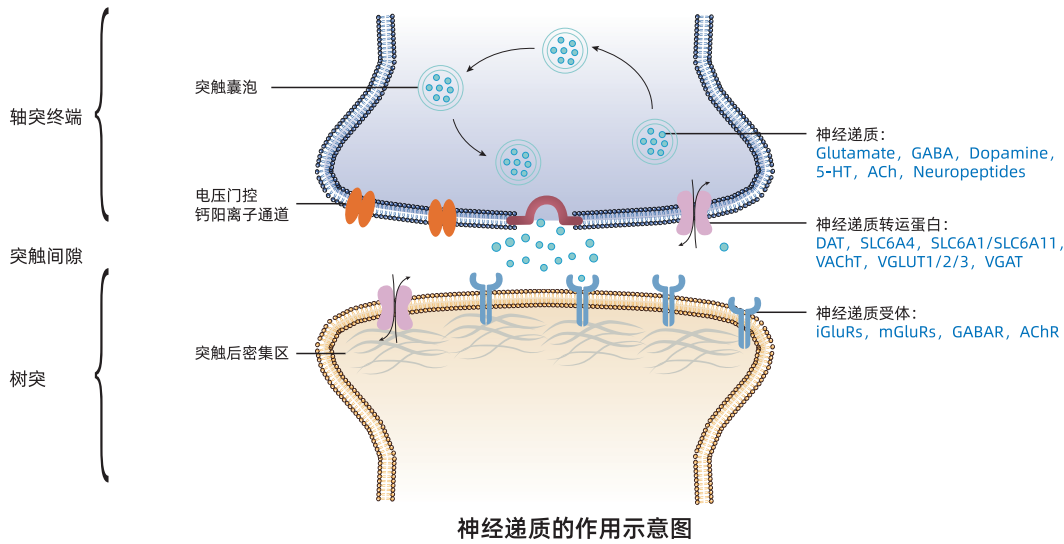
Histone H3 (mono methyl K9) Rabbit mAb | HA722350
ChIP analysis with cross-linked chromatin from HeLa cells



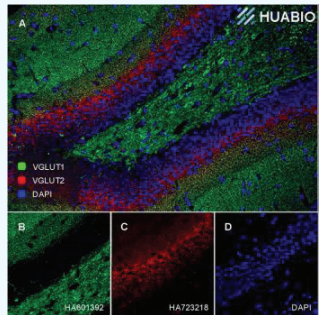
Histone H3 (acetyl K27) Rabbit mAb | HA723586
IF-Cell staining with C6 cells treated with TSA (1/200 dilution)

神经递质调控

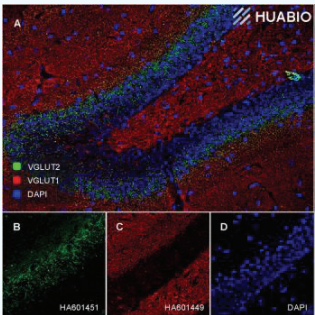
神经递质是神经系统信息传递的化学信使，介导神经元之间和神经元与效应细胞之间的通讯。神经递质的合成、释放、重摄取和降解受到精密调控，其失衡与神经发育障碍和突触功能异常疾病相关。



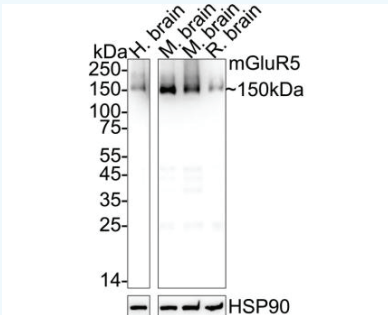
靶点名称	相关疾病	主要功能
vGlu1	突触功能异常	谷氨酸囊泡转运，兴奋性突触传递
* 优质产品推荐: VGLUT1 Rabbit mAb HA723217; VGLUT1 Rat mAb HA601392; VGLUT1 Guinea pig mAb HA601449; VGLUT1 Mouse mAb HA601450; VGLUT1 Chicken mAb HA601478		
vGlu2	突触功能异常	谷氨酸囊泡转运，特定突触亚群功能
* 优质产品推荐: VGLUT2 Rabbit mAb HA723218; VGLUT2 Rat mAb HA601393; VGLUT2 Mouse mAb HA601451		
mGluR5	自闭症谱系障碍	代谢型谷氨酸受体，突触可塑性
* 优质产品推荐: mGluR5 Rabbit mAb ET1609-36		
GAD67	自闭症谱系障碍，精神分裂症	GABA合成关键酶，抑制性神经传递
* 优质产品推荐: GAD67 Rabbit mAb HA601370		
DAT	ADHD，帕金森病	多巴胺重摄取，调节多巴胺能信号
* 优质产品推荐: DAT Rabbit mAb HA723213; DAT Rat mAb HA601404; DAT Mouse mAb HA601476; DAT Guinea pig mAb HA601475; DAT Chicken mAb HA601474		



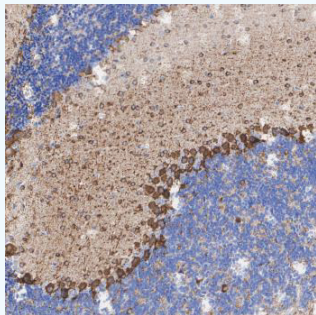
VGLUT1 Rat mAb | HA601392
IHC-Fr staining with rat hippocampus tissue (1/500 dilution, green)
Anti-VGLUT2 (HA723218, red)



VGLUT2 Mouse mAb | HA601451
IHC-Fr staining with rat hippocampus tissue (1/500 dilution, green)
Anti-VGLUT1 (HA601449, red)



mGluR5 Rabbit mAb | ET1609-36
WB analysis on different lysates (1/1,000 dilution)

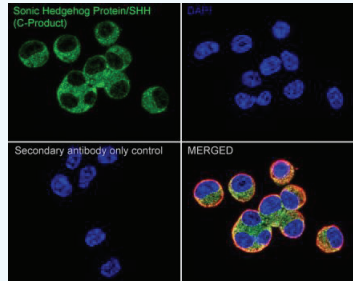


GAD67 Rabbit mAb | HA601370
IHC-P staining with mouse cerebellum tissue (1/500 dilution)

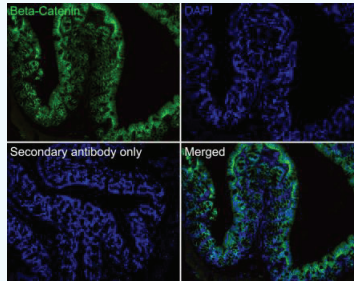
关键调控信号通路

神经发育是一个高度复杂的过程，涉及多种信号通路的精确调控。这些信号通路作为神经系统内部和与外部环境沟通的分子语言，将胞外信号转化为细胞内响应，协调神经细胞的发育、可塑性和功能。

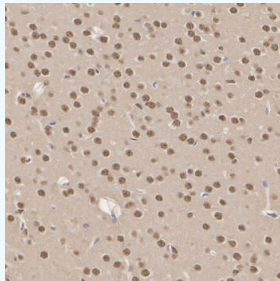
理解关键信号通路的组成和功能对于揭示神经系统工作原理和开发相关疾病治疗策略至关重要。



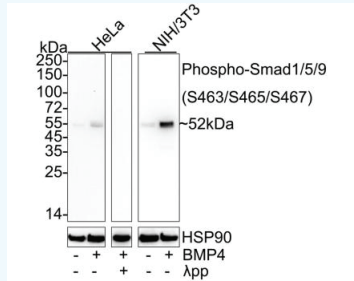
SHH(C-Product) Rabbit mAb | ET1610-6
IF-Cell staining with Neuro-2a cells (1/100 dilution)



Beta Catenin Rabbit mAb | ET1601-5
IF-Tissue staining with mouse colon tissue (1/100 dilution)

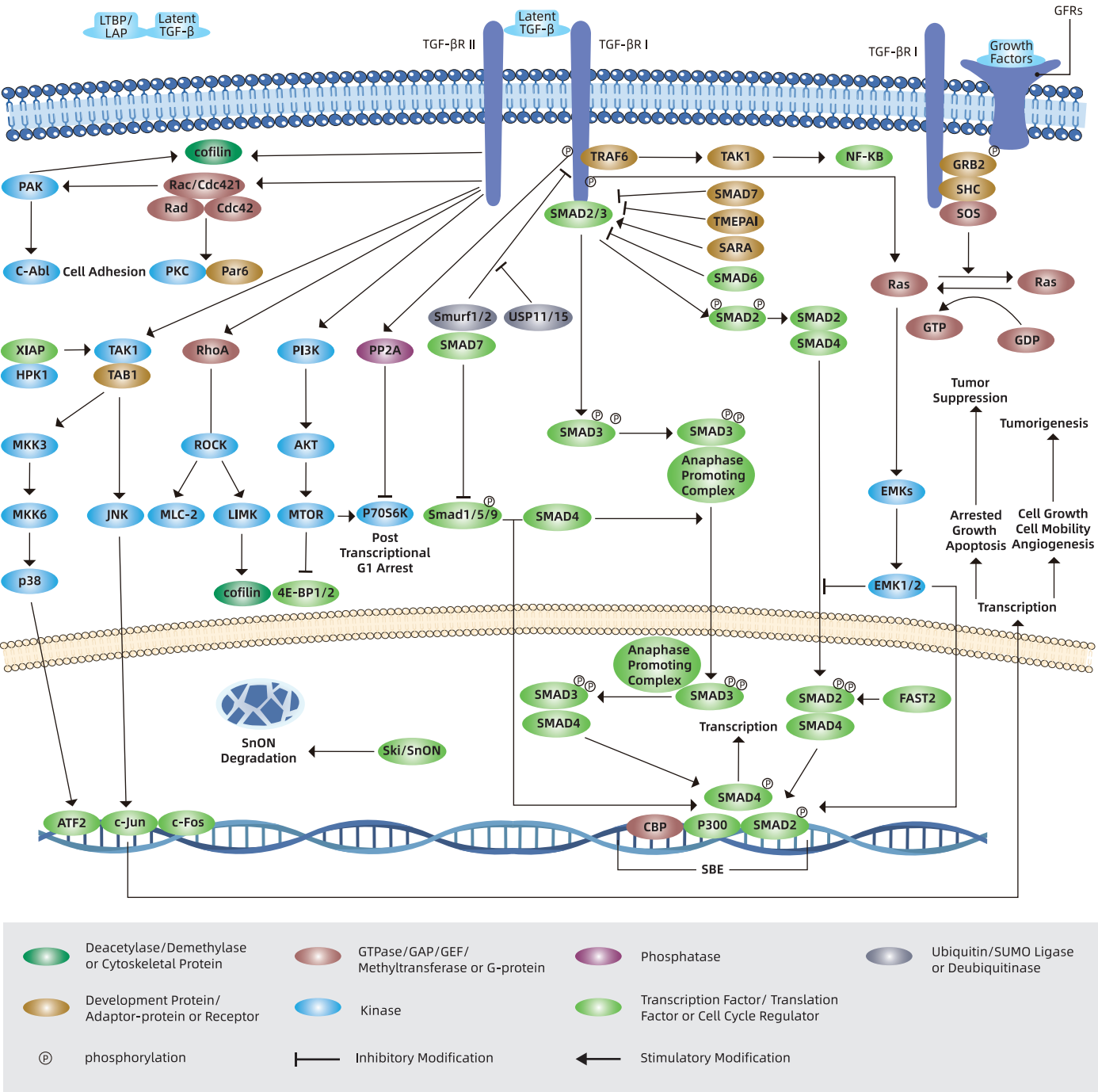


Hes1 Rabbit mAb | ET1610-97
IHC-P staining with mouse brain tissue (1/5,000 dilution)



Phospho-Smad1/5/9 (S463/S465/S467) Rabbit mAb | HA722566
WB analysis on different lysates (1/1,000 dilution)

其中，BMP/TGF-β信号通路在神经发育过程中扮演着重要角色，调控神经干细胞的分化、神经元迁移、突触形成以及神经网络的组装。BMP/TGF-β信号通路的异常与自闭症、精神分裂症等神经发育障碍密切相关。



BMP/TGF-β信号通路图

扫码了解更多“神经发育调控研究”
相关产品信息

