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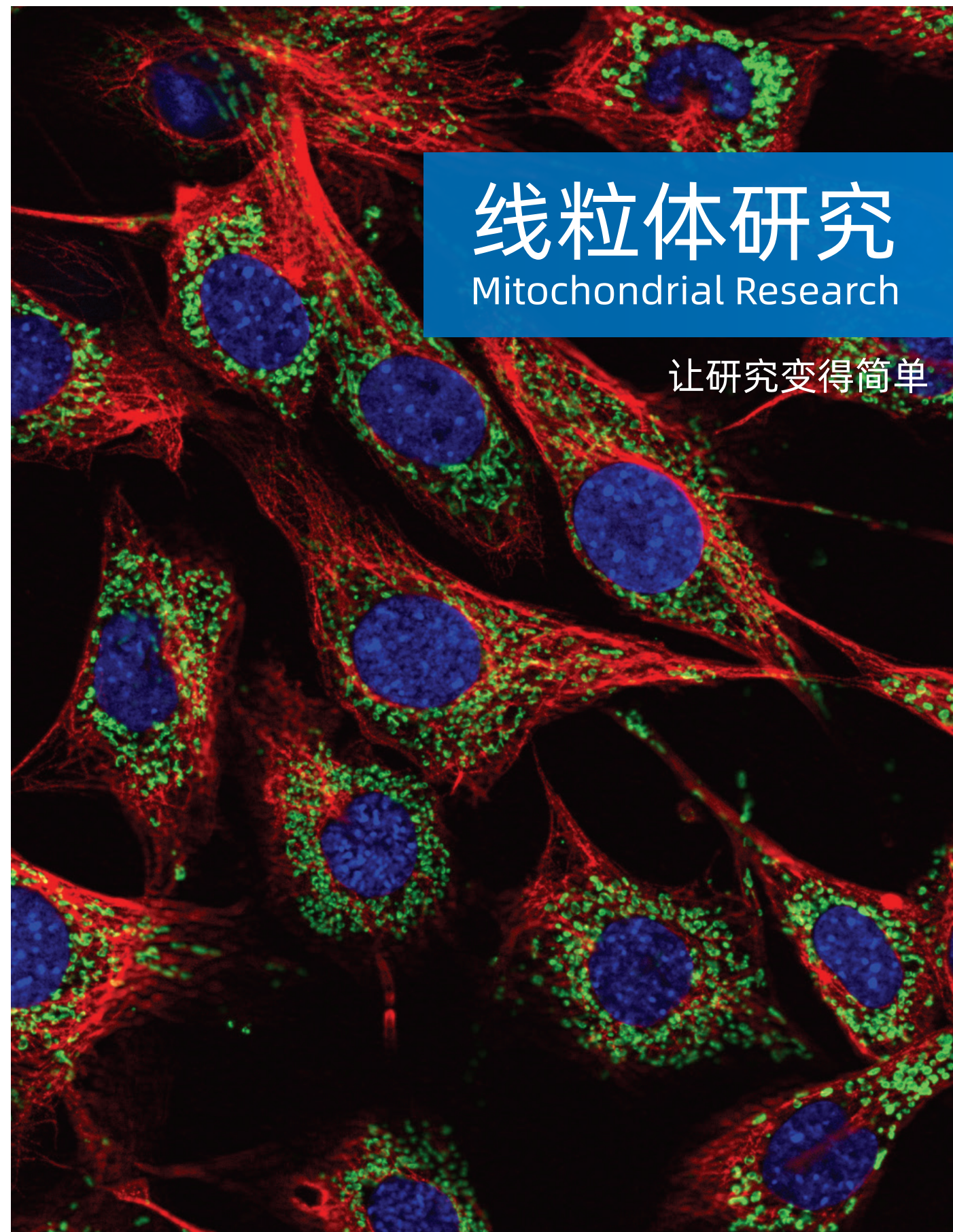
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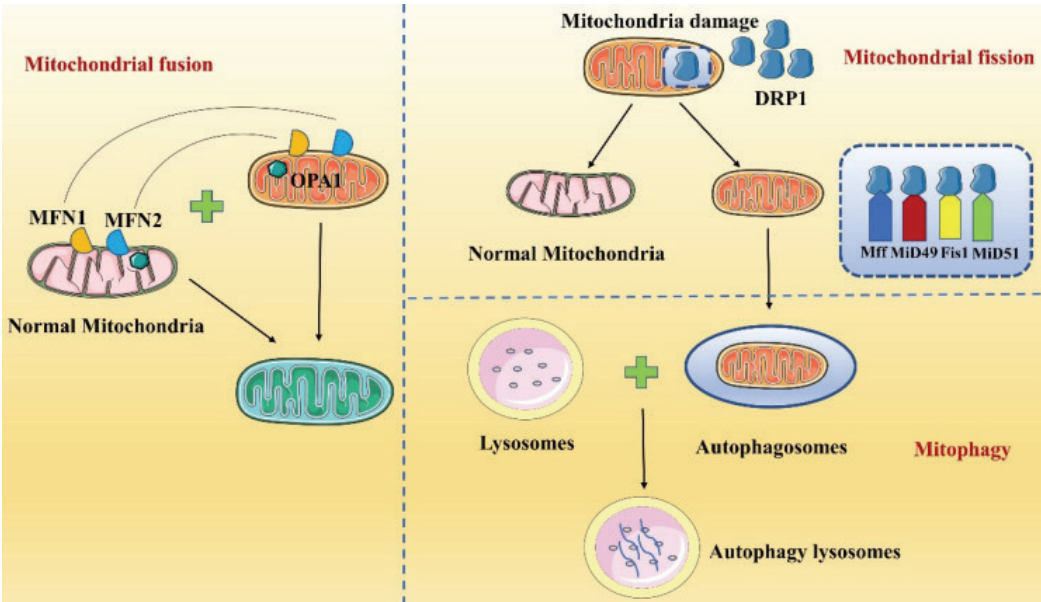
线粒体研究

Mitochondrial Research

让研究变得简单

 华安生物
H U A B I O

在多数真核细胞中，线粒体不断进行着融合（fusion）和分裂（fission）以应对外部环境改变及自身能量需求。然而，线粒体分裂与融合动态平衡失调时，会影响线粒体的正常生理功能，并导致一系列人类疾病的发生，例如多种神经退行性疾病，心血管疾病，代谢疾病和恶性肿瘤等。

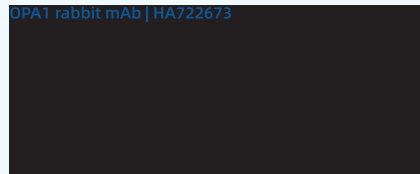
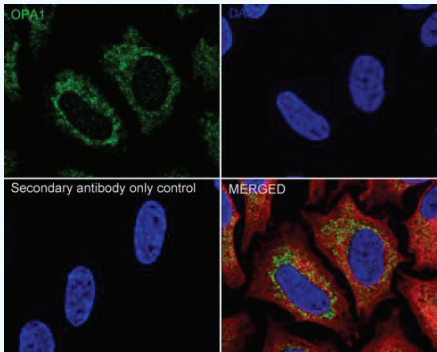


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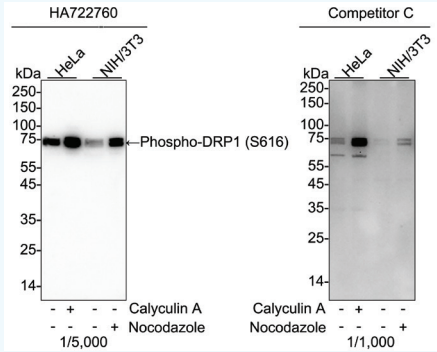
主要靶标	在线粒体融合、分裂中的作用
OPA1	催化线粒体内膜的融合并调节线粒体嵴重塑，在骨骼肌、血管、神经元等分化细胞的形成和功能维持过程中发挥关键作用
DRP1	是线粒体分裂过程中的主要调控因子，其活性通常受DRP1的各种翻译后修饰过程严格调控
MFN1	能靶向定位到线粒体外膜，并参与线粒体的融合过程
MFN2	位于线粒体外膜，参与线粒体融合，细胞代谢、增殖、凋亡等生物过程

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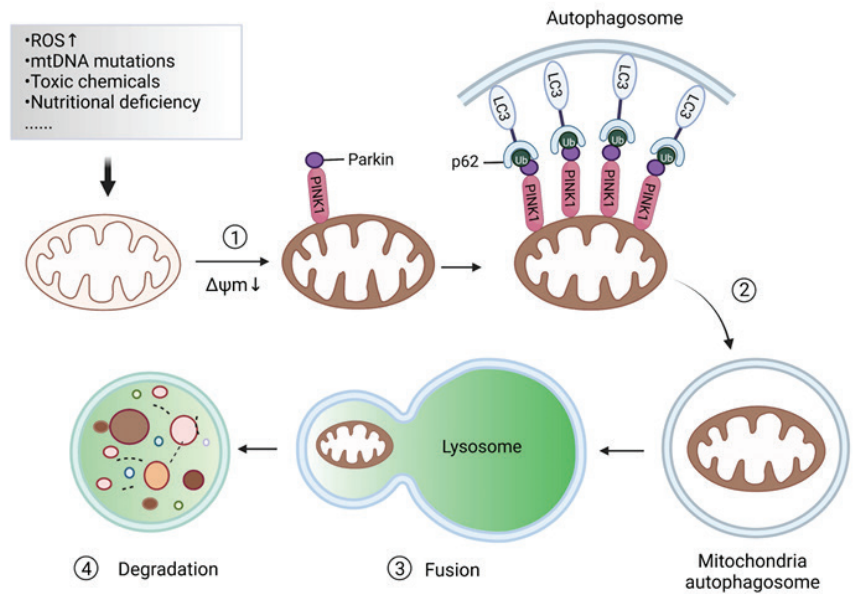


OPA1 rabbit mAb | HA722673
使用OPA1 兔单抗对HeLa细胞裂解液进行 IP 分析。
Lane 1: HeLa cell lysate (input)
Lane 2: HA722673 IP in HeLa cell lysate
Lane 3: Rabbit IgG instead of HA722673 in HeLa cell lysate



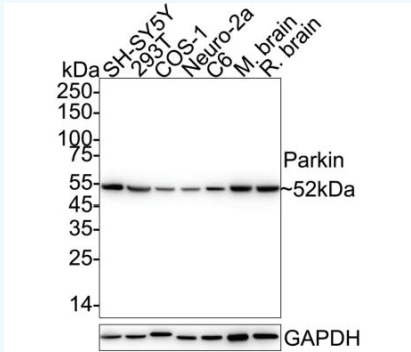
Phospho-DRP1 (S616) rabbit mAb | HA722760
使用Phospho-DRP1 (S616) 兔单抗（稀释比1/5,000）和竞品C（稀释比1/1,000）对不同给药处理的细胞裂解物进行 WB 分析。

线粒体自噬（Mitophagy）是重要的线粒体质量控制机制，与神经退行性变性、癌症、衰老和其他生理病理过程相关。现在已知的线粒体自噬途径主要有帕金森症相关的PINK1-Parkin通路介导去极化线粒体的自噬清除，线粒体外膜受体BNIP3、NIX和FUNDC1介导缺氧诱导的线粒体自噬。

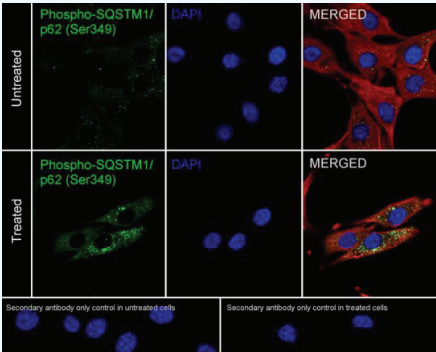


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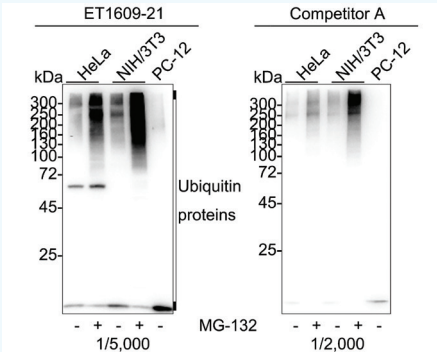
主要靶标	在线粒体自噬中的作用
Parkin	Parkin泛素化线粒体外膜蛋白，进一步引发线粒体自噬
PINK 1	PINK1作为线粒体质量调控的探测器，协同Parkin特异性识别损伤的线粒体
p62	p62通过与Parkin泛素化线粒体底物结合，介导线粒体聚集并将泛素化底物与LC3连接，从而促进泛素化蛋白质的自噬降解
TBK1	TBK1参与磷酸化自噬受体，促进LC3与泛素之间的相互作用
HDAC6	HDAC6参与泛素化底物结合，并在Parkin 位后在线粒体上蓄积，在Parkin介导的线粒体自噬过程中发挥关键作用



Parkin rabbit mAb | HA722952

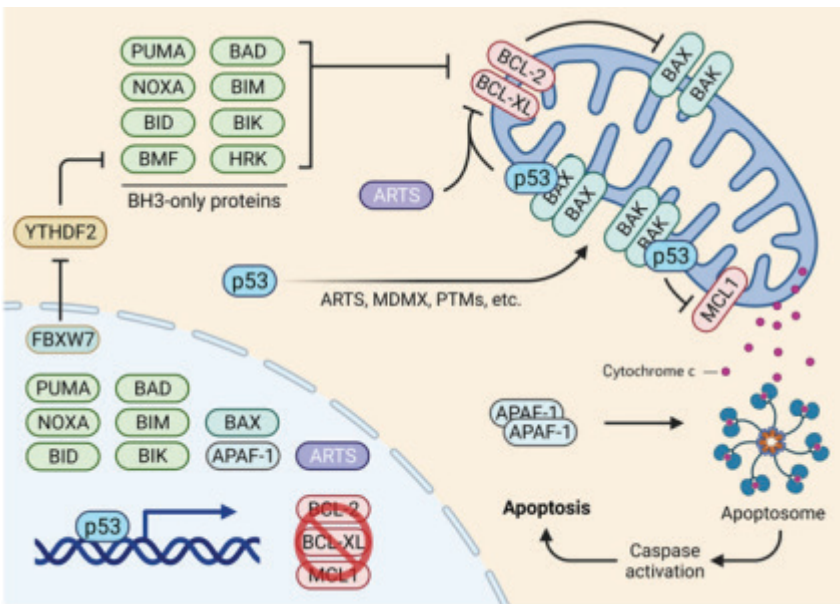


Phospho-SQSTM1 / p62 (S349) rabbit mAb | HA723050
使用Phospho-SQSTM1 / p62 (S349) 兔单抗（绿色，稀释比1/5,000）对用MG-132处理的NIH/3T3 细胞（MG-132; 10 μM; 8h）进行 IF-Cell 分析。
肌动蛋白丝用Beta tubulin（HA601187, 红色）标记。



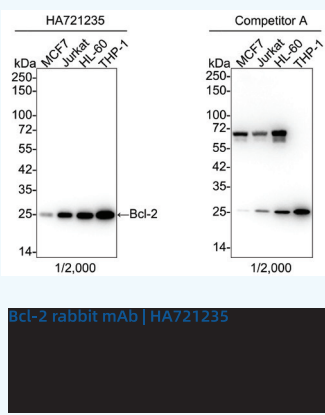
Ubiquitin rabbit mAb | ET1609-21
使用Ubiquitin兔单抗（稀释比1/5,000）和竞品A（稀释比1/2,000）对不同给药处理的细胞裂解物进行 WB 分析。

细胞应激反应或凋亡信号能引起线粒体cytochrome c释放，作为凋亡诱导因子，通过与Apaf-1、Caspase-9前体、ATP/dATP形成凋亡体（apoptosome），召集并激活Caspase-3，进而引发Caspases级联反应，导致细胞凋亡。其中，Bcl-2蛋白家族通过控制线粒体通透性来调节细胞凋亡。

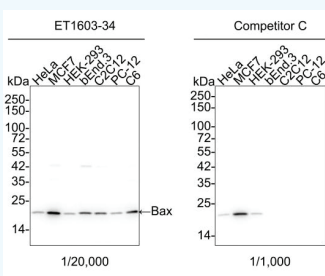


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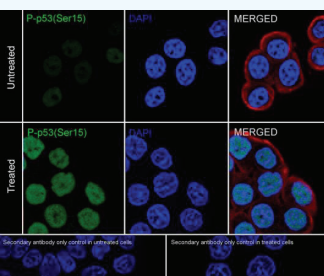
主要靶标	在线粒体凋亡中的作用
Bcl-2	Bcl-2 蛋白家族通过控制线粒体通透性来调节线粒体凋亡进程
Bad	在接受死亡信号转导后易位到线粒体，并与Bcl-xL形成一个凋亡前复合物
Bax	响应死亡刺激，转位到线粒体中，促进cytochrome C 释放，从而促进线粒体凋亡
Caspase-8	接受Fas信号转导后，剪切胞质 Bid；其活性片段(tBid)转位到线粒体中，促进线粒体凋亡
p53	DNA损伤后，激活的p53诱导促凋亡相关蛋白转录，易位到线粒体中，从而促进线粒体凋亡



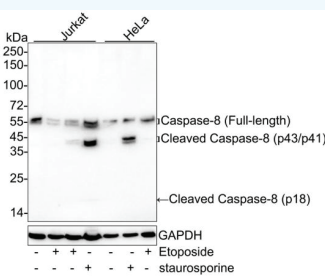
Bcl-2 rabbit mAb | HA721235



Bax rabbit mAb | ET1603-34
使用Bax兔单抗（稀释比1/20,000）和竞品C（稀释比1/1,000）对不同类型的细胞裂解物进行 WB 分析。

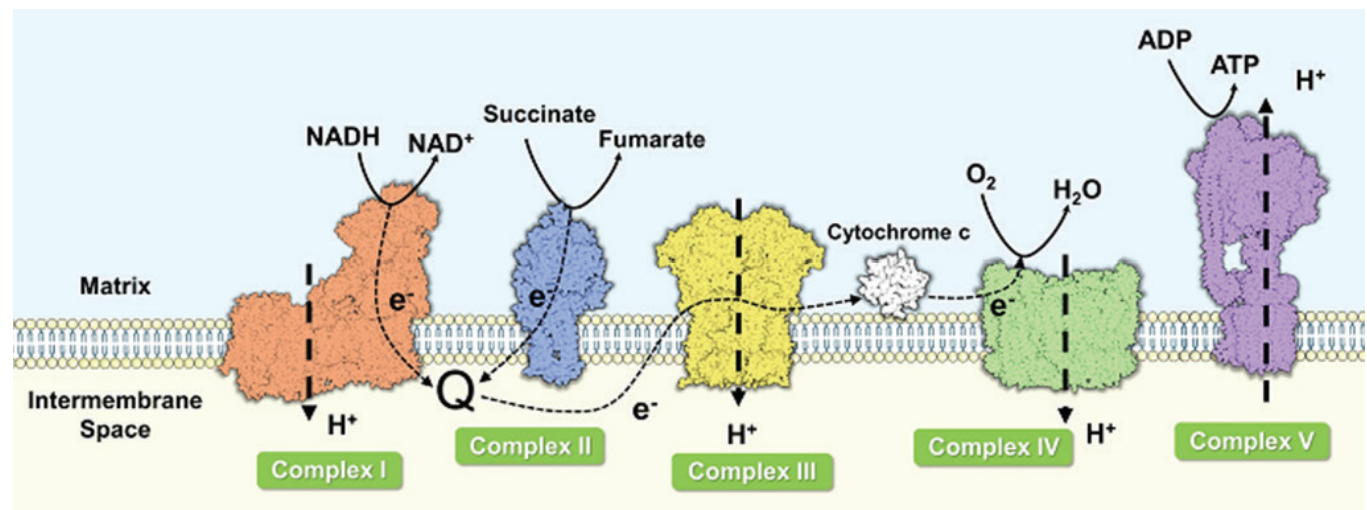


Phospho-p53 (S15) antibody rabbit mAb | HA721756
使用Phospho-p53 (S15) 兔单抗（绿色，稀释比1/10,000）对用Doxorubicin处理的HT-29 细胞（Doxorubicin; 0.5μM; 24h）进行 IF-Cell 分析。
肌动蛋白丝用Beta tubulin（M1305-2, 红色）标记。



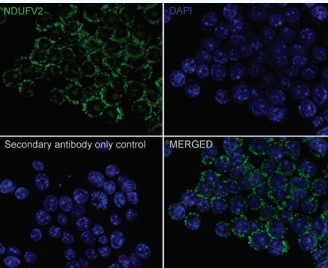
Caspase-8 rabbit mAb | HA722181
使用Caspase-8兔单抗（稀释比1/2,000）对不同给药处理的细胞裂解物进行 WB 分析。

线粒体是神经发生、突触发生发育、突触可塑性和轴突再生的重要因子,通常作为“能量工厂”，为细胞有氧呼吸提供主要场所。线粒体发生的氧化磷酸化是细胞功能所需的大量能量来源。线粒体缺乏会导致大量活性氧释放，抗氧化能力减弱促进活性氧簇产物发生，最终诱导多种线粒体功能障碍相关疾病。

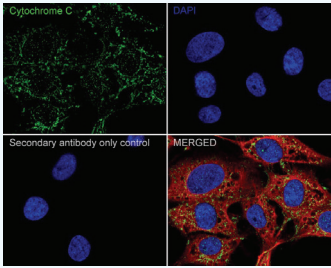


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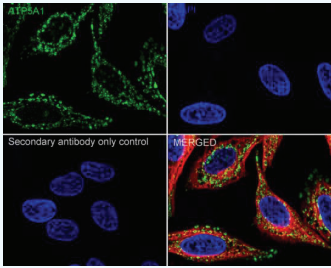
主要靶标	在线粒体氧化磷酸化中的作用
NDUFV2	参与组装线粒体复合物 I，组成线粒体呼吸传递链
SDHB	参与组装线粒体复合物 II，为释放的电子提供连接位点以转移至氧化磷酸化途径
Cytochrome C	作为电子传递链中的电子载体，促进三磷酸腺苷合成、调节心磷脂过氧化并影响活性氧动态
COX IV	位于线粒体内膜，参与组装电子传递链复合物IV，促进电子呼吸链的正常传递
ATP5A1	参与组装线粒体复合物 V，将ADP转化为ATP



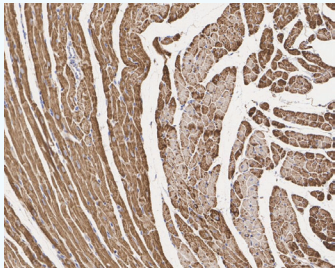
NDUFV2 rabbit mAb | HA721869



Cytochrome C rabbit mAb | ET1610-60
使用Cytochrome C兔单抗（绿色）对C6细胞进行IF-Cell 分析。
肌动蛋白丝用Beta tubulin（M1305-2，红色）标记。

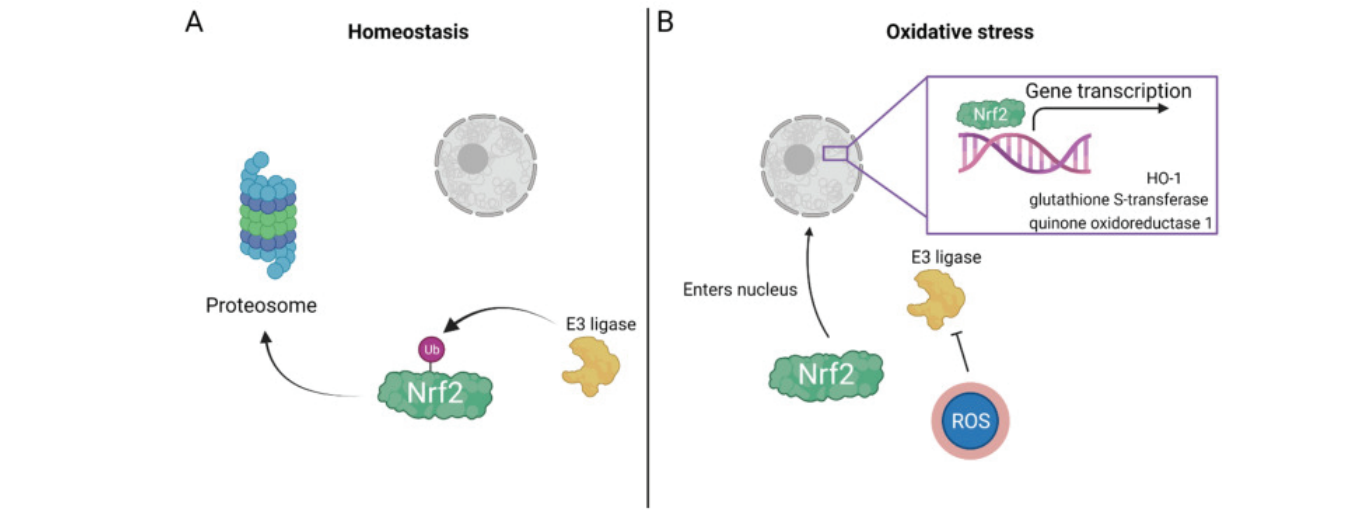


ATP5A1 rabbit mAb | ET1703-53
使用ATP5A1兔单抗（绿色）对HeLa细胞进行IF-Cell 分析。
肌动蛋白丝用Beta tubulin（M1305-2，红色）标记。



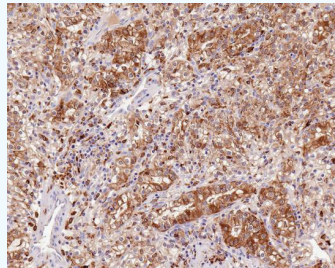
COX IV rabbit mAb | ET1701-63
使用COX IV兔单抗对大鼠心肌组织进行IHC-P 分析。

线粒体是细胞产生活性氧（ROS）的主要场所，正常条件下，细胞内ROS可作为胞内信号分子调节机体正常生理功能。当组织受到损伤时，线粒体内的活性氧(ROS) 水平显著增加，从而损害线粒体，导致线粒体功能异常，最终会诱导一系列相关疾病如心力衰竭，认知功能障碍及创伤性脑损伤等。

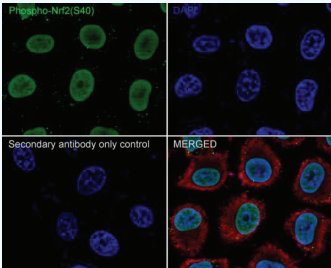


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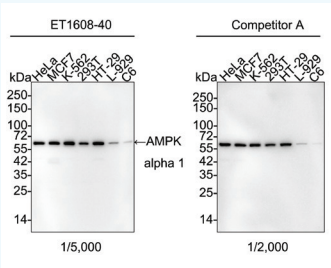
主要靶标	在线粒体氧化应激中的作用
HO-1	HO-1是一种应激反应蛋白，在线粒体氧化应激和线粒体功能中发挥重要调控作用
Nrf2	氧化应激可激活Nrf2信号传导，减轻活性氧引起的线粒体损伤，参与维持线粒体的正常功能
PGC-1α	氧化应激可诱导PGC-1α表达，激活线粒体生物合成通路，发挥抗氧化作用
AMPK	AMPK是细胞能量代谢的关键调节因子。当细胞应答氧化应激时，AMPK可通过磷酸化激活PGC-1α，增加线粒体生物合成以增加细胞ATP水平
Sirt3	Sirt3介导线粒体DNA(mtDNA)转录，从而降低mtROS的产生



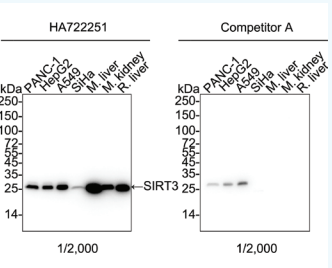
HO-1 rabbit mAb | HA721854
使用HO-1兔单抗对人肾细胞癌组织 IHC-P 分析。



Phospho-Nrf2 (S40) rabbit mAb | ET1608-28
使用Phospho-Nrf2（S40）兔单抗（绿色）对HepG2细胞进行IF-Cell 分析。
肌动蛋白丝用Beta tubulin（M1305-2，红色）标记。



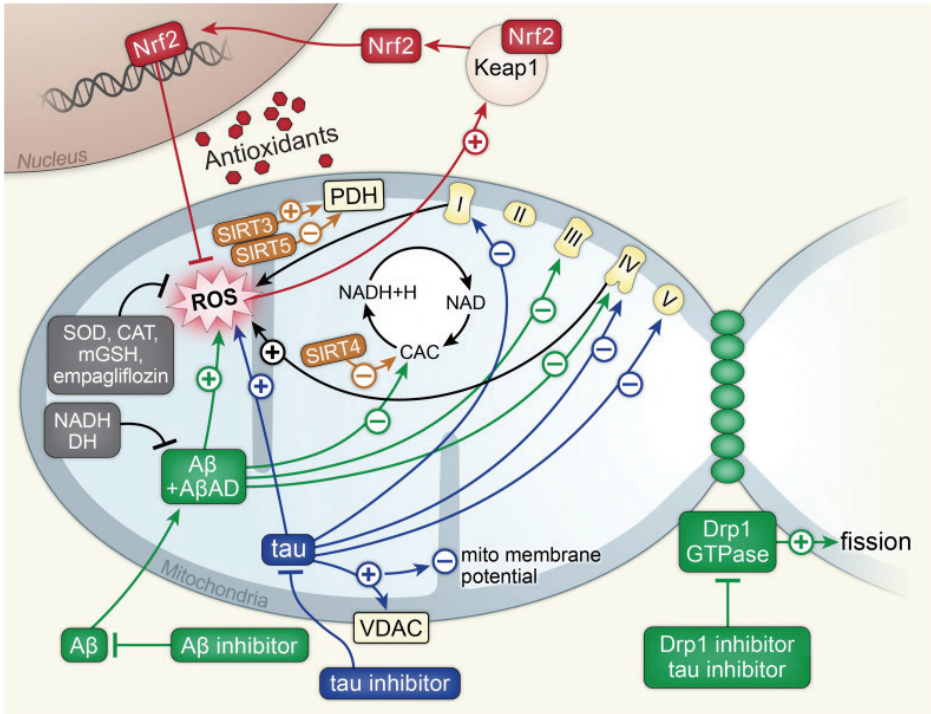
AMPK alpha 1 rabbit mAb | ET1608-40
使用AMPK alpha 1兔单抗（稀释比1/5,000）和竞品A（稀释比1/2,000）对不同类型的细胞裂解物进行WB 分析。



SIRT3 rabbit mAb | HA722251
使用SIRT3兔单抗和竞品A在稀释比1/2,000条件下对不同类型的细胞裂解物进行WB 分析。

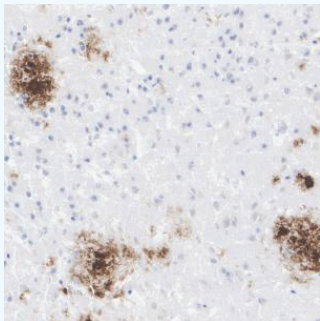
线粒体是细胞能量产生的重要细胞器，在神经退行性疾病发生、发展进程中发挥关键性调控作用。然而，线粒体DNA突变、动力学受损和呼吸链中断会导致能量产生受损和氧化应激加剧，导致神经元损伤和细胞死亡。目前，靶向线粒体功能障碍用于相关神经退行性疾病早期诊断和监测，已经成为神经科学的热门研究领域。以下是对与线粒体功能障碍密切相关的阿尔茨海默症和帕金森疾病展开系列阐述。

阿尔茨海默症（AD）

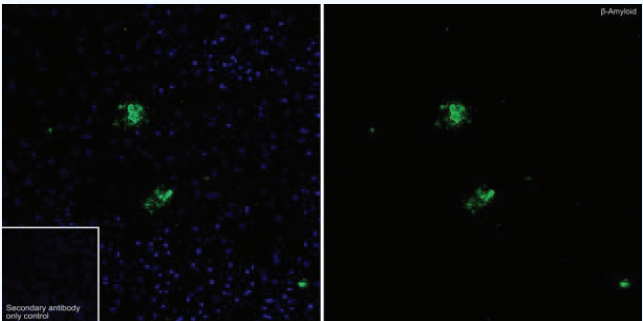


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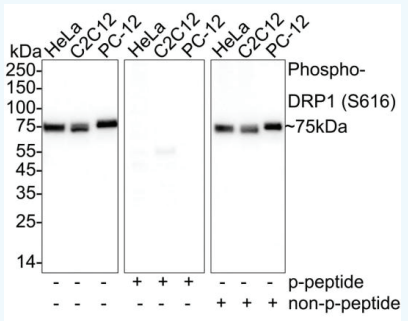
主要靶标	在AD中的调控作用
Aβ	线粒体Aβ直接与Aβ结合的乙醇脱氢酶（ABAD）结合，增强Aβ诱导的细胞毒性和线粒体功能障碍。当线粒体功能障碍达到临界阈值时，AD病理生理过程加剧
Tau	过度磷酸化Tau形成的神经原纤维缠结（NFTs）是AD重要的病理标志物之一，可诱导线粒体形态改变，逆行运输增加，自噬功能缺陷及复合物I和ATP活性的降低
Drp1	异常表达Tau的神经元线粒体显著延长，Drp1移位到线粒体，调节线粒体的分裂。其中，过度的线粒体分裂导致Aβ介导的神经病理和认知能力下降
SIRT proteins	Sirtuins大量存在于大脑中，定位于线粒体，并参与激活抗氧化防御系统（如谷胱甘肽）以对抗ROS。SIRT3参与AD中P53信号诱导的线粒体功能障碍
PGC-1α	通过调节BACE1泛素化和降解来减轻Aβ负荷，改善AD病理过程中的学习与认知、突触可塑性及神经元的完整性



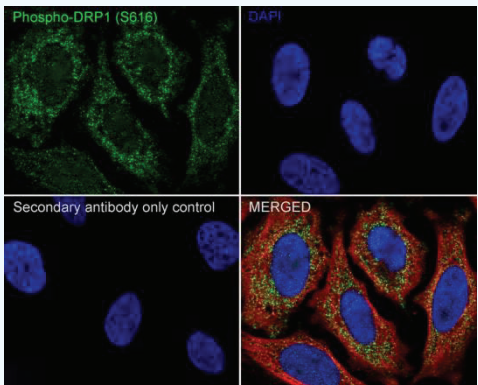
beta Amyloid rabbit mAb | HA722962
使用beta Amyloid兔单抗对6周龄AD小鼠脑组织进行 IHC-P 分析。



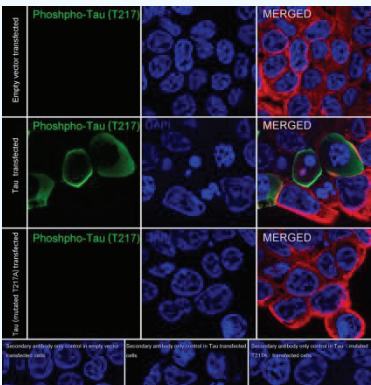
beta Amyloid rabbit mAb | HA722962
使用beta Amyloid兔单抗（绿色）对6周龄AD小鼠脑组织进行 IF-Tissue 分析。



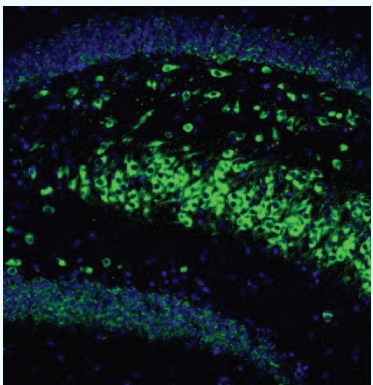
Phospho-DRP1 (S616) rabbit mAb | HA722760
使用Phospho-DRP1 (S616) 兔单抗对不同实验处理的细胞裂解液进行 WB 分析。



Phospho-DRP1 (S616) rabbit mAb | HA722760
使用Phospho-DRP1 (S616) 兔单抗（绿色）对HeLa细胞进行 IF-Cell 分析。
肌动蛋白丝用Beta tubulin (M1305-2, 红色) 标记。

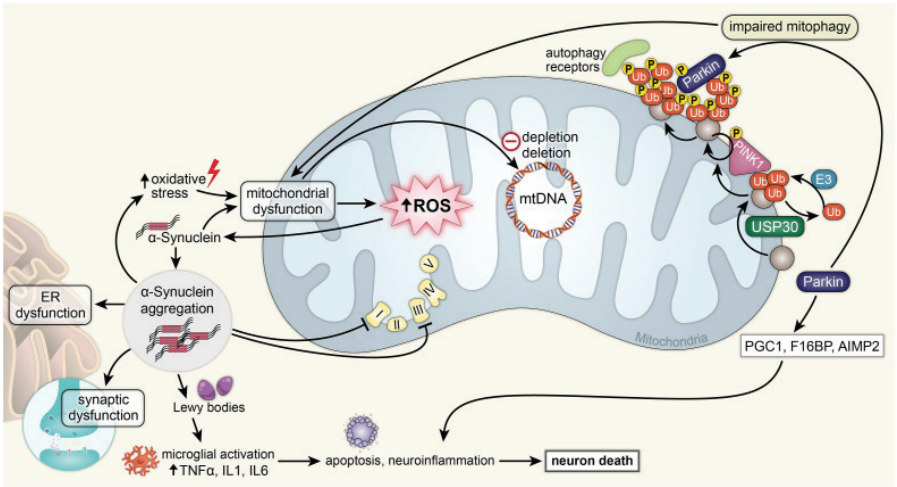


Phospho-Tau (T217) rabbit mAb | HA723091
使用Phospho-Tau (T217) 兔单抗（绿色）对不同实验处理的293T细胞进行 IF-Cell 分析。肌动蛋白丝用Beta tubulin (HA601187, 红色) 标记。
Top: 293T cells were transfected with empty control expression vector;
middle: 293T cells were transfected with Tau expression vector;
Bottom: 293T cells were transfected with Tau (mutated T217A) expression vector



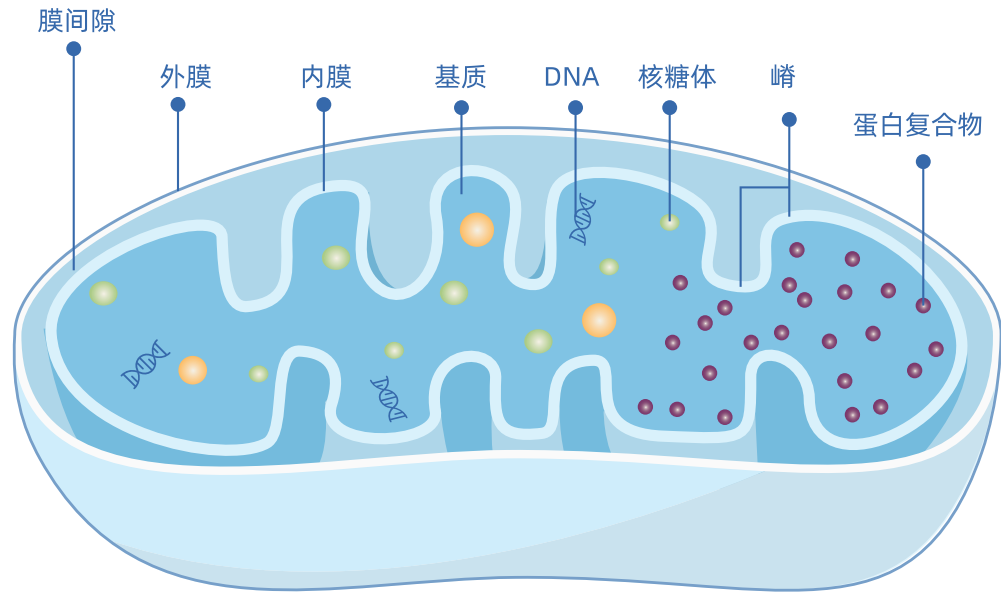
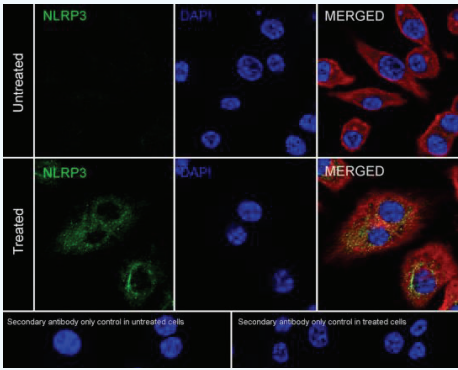
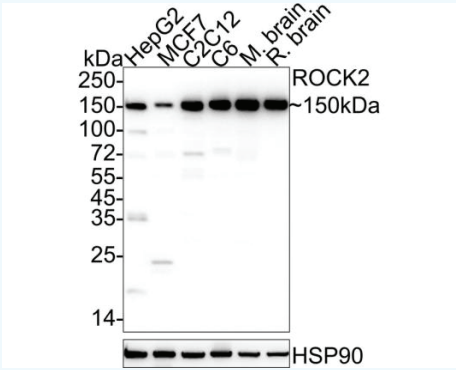
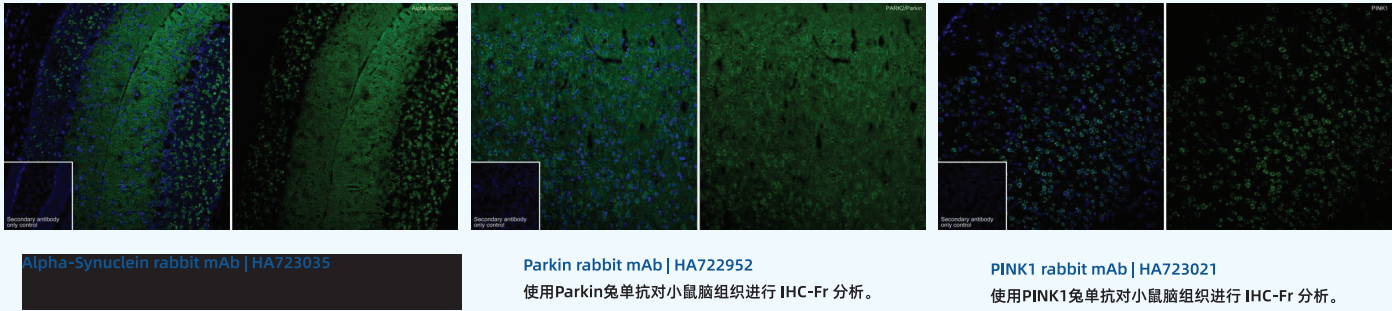
Phospho-Tau (T231) rabbit mAb | ET1610-31
使用Phospho-Tau (T231) 兔单抗对小鼠海马组织进行 IHC-Fr 分析。

帕金森疾病（PD）



PMID: 38241161

主要靶标	在PD中的调控作用
α-synuclein	错误折叠的α-synuclein，通过减少ATG7并升高mTOR水平直接导致线粒体自噬功能缺陷，使其自噬清除减少，从而形成Lewy体，参与PD的形成和进展
Parkin	Parkin通过线粒体吞噬和囊泡运输调控线粒体质量控制。其基因突变会导致神经元线粒体缺陷和mtDNA代谢紊乱
PINK1	参与调控线粒体自噬通路，其基因缺陷会导致线粒体自噬功能缺陷，使损伤的线粒体不能被有效地清除，从而诱发PD的发生与发展
ROCK	是Parkin介导的线粒体自噬途径的关键调控因子。ROCK表达受抑制时，可增强Parkin介导的线粒体自噬，从而改善体内PD的相关表型
STING	PINK1/Parkin介导的线粒体自噬功能缺陷诱导STING信号，加剧PD神经炎症反应



线粒体结构示意图

优质抗体推荐

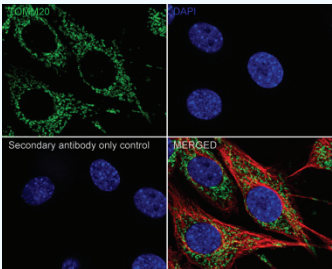
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ACAA2	HA720006	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
ACAT-1	HA721093	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
AIF	ET1603-4	H,Ms,R	WB,IF-Cell,IHC-P,IP,FC	Recombinant Rabbit mAb
AK2	HA721048	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
ALDH2	HA601277	H,R	WB,IF-Cell,IHC-P	Recombinant Mouse mAb
ALDH4A1	EM1701-74	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue	Mouse mAb
ATP5A1	ET1703-53	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
CLPP	HA721503	H,Ms,R	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
COX IV	ET1701-63	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
COX5B	HA500163	H,R	WB,IHC-P	Rabbit pAb
CPS1	ET7107-69	H,Ms,R	WB,IF-Cell,IHC-P,IP	Recombinant Rabbit mAb
CPT1A	HA722081	H,Ms	WB,IHC-P,IP	Recombinant Rabbit mAb
CPT2	ET1611-64	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
Cytochrome C	ET1610-60	H,Ms,R	WB,IF-Tissue,IHC-P,IP,IF-Cell	Recombinant Rabbit mAb
DRP1	HA500487	H,Ms,R	WB,IF-Cell,FC	Rabbit pAb
HADHA	HA721652	H,Ms,R,Mk	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
HSP60	ET1609-45	H,Ms,R	WB,IHC-P,IF-Cell,IP	Recombinant Rabbit mAb
HSP60	EM00704	H,Ms,R	WB,IF-Cell,IHC-P	Mouse mAb
Mitofilin	HA721636	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue	Recombinant Rabbit mAb

Product name	Catalog#	Reactivity	Tested applications	Antibody type
Mitofusin 1	ET1702-01	H	WB,IP,FC	Recombinant Rabbit mAb
Mitofusin 2	HA720073	H,Ms,R	WB	Recombinant Rabbit mAb
MTCO1	HA722838	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Recombinant Rabbit mAb
MTCO2	ET1610-72	H	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
mtTFA	ET1705-64	H	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
NDUFV2	HA721869	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
OPA1	HA722673	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
OPA1	ET1705-9	H,Ms,R	WB,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
OTC	HA500048	H,Ms,R	WB,IF-Cell,IHC-P	Rabbit pAb
Prohibitin	ET1602-31	H,Ms,R,Z	WB,IF-Cell,IHC-P,IP,FC	Recombinant Rabbit mAb
SLC25A12	HA721066	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
SLC25A38	HA721857	H,Ms	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
TOMM20	ET1609-25	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
TOMM40	HA723088	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
UCP1	HA500118	H,Ms,R	WB,IHC-P	Rabbit pAb
UQCRC2	HA721872	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
UQCRCF1	ET7108-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
VCP	ET1703-56	H,Ms,R,Z,Mk	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
VDAC1	ET1601-20	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Recombinant Rabbit mAb

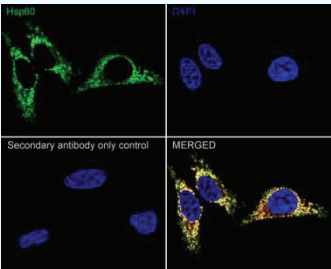
*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Z: Zebrafish



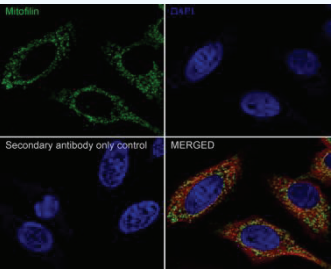
扫码详见更多
“线粒体标志物研究”产品信息



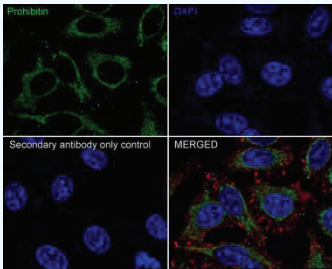
TOMM20 rabbit mAb | ET1609-25
IF-Cell staining with NIH/3T3 cells



HSP60 rabbit mAb | ET1609-45
IF-Cell staining with HeLa cells



Mitofilin rabbit mAb | HA721636
IF-Cell staining with HeLa cells



Prohibitin rabbit mAb | ET1602-31
IF-Cell staining with HepG2 cells

线粒体自噬				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Beclin 1	HA721216	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
BNIP3	ET1704-08	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
BNIP3L	HA722056	H,Ms,R,Mk	WB,IHC-P	Recombinant Rabbit mAb
FUNDC1	HA721530	H,R	WB,IHC-P	Recombinant Rabbit mAb
GABARAP	ET1705-53	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Ubiquitin	ET1609-21	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
K27-linkage Specific Ubiquitin	HA723066	H,Ms,R	WB,IHC-P,IF-Cell,FC,Dot Blot	Recombinant Rabbit mAb
K63-linkage Specific Ubiquitin	ET1703-07	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
KPNB1	HA721703	H,Ms,R	WB,IHC-P,IF-Tissue,IP	Recombinant Rabbit mAb
Parkin	HA722952	H,Ms,R,Mk	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP,IHC-Fr	Recombinant Rabbit mAb
Parkin	ET1702-60	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
PINK1	HA723021	H,Ms,R	WB,IHC-P,IHC-Fr	Recombinant Rabbit mAb
SQSTM1 / p62	HA721171	H,Ms,R	WB,IHC-P,IF-Cell,FC,IF-Tissue,IHC-Fr	Recombinant Rabbit mAb
Phospho-SQSTM1 / p62 (S349)	HA723050	H,Ms	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
TAX1BP1	HA721648	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
TBK1	HA601045	H,Ms,R	WB	Mouse mAb
Tim23	HA500361	H,Ms,R	WB,IHC-P	Rabbit pAb
TIM44	HA721067	H,R	WB	Recombinant Rabbit mAb
TIMM22	HA721373	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
TIMM50 (Tim50)	ET7110-24	H,Ms	WB,IHC-P	Recombinant Rabbit mAb
线粒体氧化磷酸化				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ATP5A1	ET1703-53	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
ATP5F1	HA601353	H,Ms,R	WB,IF-Cell,IHC-P	Recombinant Mouse mAb
ATP5G1	HA722921	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
ATPB	ET1703-29	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
COX IV	ET1701-63	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
COX1/Cyclooxygenase 1	0807-3	H,Ms	WB	Rabbit pAb
COX2/Cyclooxygenase 2	ET1610-23	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb

线粒体氧化磷酸化				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
COX5B	HA500163	H,R	WB,IHC-P	Rabbit pAb
Cytochrome C	ET1610-16	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Cytochrome C	ET1610-60	H,Ms,R	WB,IF-Tissue,IHC-P,IP,IF-Cell	Recombinant Rabbit mAb
GRIM19	ET7108-66	H	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
MTCO1	HA722838	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue	Recombinant Rabbit mAb
MTCO2	ET1610-72	H	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
MT-ND1	HA721595	H,Ms,R	WB	Recombinant Rabbit mAb
NDUFA1	HA722436	H	WB,IHC-P	Recombinant Rabbit mAb
NDUFAB1	HA720088	H,Ms,R	WB,IHC-P,FC	Recombinant Rabbit mAb
NDUFAF1	ET7109-54	H	WB,IHC-P	Recombinant Rabbit mAb
NDUFB4	HA721112	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
NDUFB8	ET7108-25	H,Ms,R	WB,IP,IHC-P,IF-Cell	Recombinant Rabbit mAb
NDUFB9	HA721015	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
NDUFC2	HA721123	H	WB,IHC-P	Recombinant Rabbit mAb
NDUFS2	HA721968	H,Ms,R	WB,IF-Cell,IHC-P,FC,IP	Recombinant Rabbit mAb
NDUFS3	ET1706-07	H	WB,IHC-P,IF-Cell,IF-Tissue,IP	Recombinant Rabbit mAb
Ndufs4	ET7109-09	H,Ms,R	WB,IHC-P,FC,IP	Recombinant Rabbit mAb
Ndufs4	ET7109-37	H,Ms,R,Z	WB,IP,IHC-P,FC	Recombinant Rabbit mAb
NDUFV2	HA721869	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
NOX2 / gp91phox	HA723224	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,IP	Recombinant Rabbit mAb
Nrf2	ER1706-41	H,Ms,R	IF-Cell,IHC-P,FC	Rabbit pAb
Phospho-Nrf2 (S40)	ET1608-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
Peroxiredoxin 1	ET1702-08	H,Ms	WB,IF-Tissue,IHC-P	Recombinant Rabbit mAb
Peroxiredoxin 3	ET1704-92	H	WB,IF-Cell,IHC-P,FC,IP	Recombinant Rabbit mAb
Peroxiredoxin 4	HA721985	H	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
Peroxiredoxin 5	HA722061	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
PGC1 alpha+beta	ET1702-96	H,Ms,R	WB	Recombinant Rabbit mAb
SDHA	ET1703-40	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
SDHB	HA722901	H,Ms,R	WB,IHC-P,IP,IF-Cell	Recombinant Rabbit mAb
SDHC	HA722584	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
SOD2	ET1701-54	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Superoxide Dismutase 1	ET1702-36	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb

线粒体氧化磷酸化				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Tim23	HA500361	H,Ms,R	WB,IHC-P	Rabbit pAb
Ubiquinol-Cytochrome C Reductase Core Protein I	HA721640	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell	Recombinant Rabbit mAb
UQCRC2	HA721872	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
UQCRFS1	ET7108-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
UQCRH	HA720113	H,Ms,R	WB,IHC-P,FC	Recombinant Rabbit mAb
线粒体凋亡				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Apaf-1	ET1607-12	H,Ms	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
Bad	ET1601-7	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
BAX	ET1603-34	H,Ms,R,G	WB,IF-Cell,FC	Recombinant Rabbit mAb
BAX	HA721324	H	IHC-P	Recombinant Rabbit mAb
Bcl-2	ET1702-53	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
Bcl-2	HA721235	H	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
Bcl-XL	ET1603-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
Bid	ET1703-92	H	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
Bim	ET1608-14	H,Ms	WB,IF-Cell,IHC-P,IP,FC	Recombinant Rabbit mAb
Caspase-2	ET1602-30	H,Ms	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
Caspase-3	ET1602-39	H	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Caspase-3 p12	HA722235	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Active Caspase-3	ET1602-47	H,P	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
pro Caspase-3	ET1603-26	H,Ms	WB,IF-Tissue,IHC-P	Recombinant Rabbit mAb
active+pro Caspase-3	ET1608-64	H,Ms,R	WB,IHC-P,IP	Recombinant Rabbit mAb
Caspase-8	ET1603-16	H	WB,IF-Tissue,IHC-P	Recombinant Rabbit mAb
Active+Pro Caspase-9	ET1610-95	H,Ms	WB,IP	Recombinant Rabbit mAb
Caspase-9	ET1603-27	H,Ms	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Caspase-10	ET1701-53	H	WB,IHC-P,FC,IP,IF-Cell	Recombinant Rabbit mAb
pro Caspase-10	HA722029	H	WB,IHC-P	Recombinant Rabbit mAb
Caspase-12	HA722837	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Cytochrome C	ET1610-60	H,Ms,R	WB,IF-Tissue,IHC-P,IP,IF-Cell	Recombinant Rabbit mAb
DIABLO	ET1610-74	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
DYNLL1	ET1612-64	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb

线粒体凋亡				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Endo G	ET7106-77	H	WB,IF-Cell	Recombinant Rabbit mAb
FADD	HA721353	H	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
MCL1	ET1606-14	H,Ms,R	WB,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
Noxa	ET1704-35	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
p53	ET1601-13	H	WB,IF-Cell,ChIP	Recombinant Rabbit mAb
p53	ET1605-16	H	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
p53	ET7107-33	H	WB,IHC-P,FC,IP,IF-Cell,IF-Tissue	Recombinant Rabbit mAb
p53 (acetyl K370)	ET1602-38	H,Ms,R	WB,IF-Cell,IF-Tissue,IP,FC	Recombinant Rabbit mAb
p53 (acetyl K382)	HA722763	H	WB,IF-Cell	Recombinant Rabbit mAb
Phospho-p53 (S15)	HA721756	H	WB,IF-Cell	Recombinant Rabbit mAb
Phospho-p53 (S376)	ET1609-14	H,Ms	WB	Recombinant Rabbit mAb
Phospho-p53 (S392)	ET1606-24	H,Ms,R	WB,IHC-P,IP	Recombinant Rabbit mAb
Phospho-p53 (T55)	ET1609-13	H	WB,IHC-P	Recombinant Rabbit mAb
PUMA	ET1602-24	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
RAIDD	HA722353	H,R	WB,IHC-P	Recombinant Rabbit mAb
SIRT2	ET1611-72	H	WB,IP	Recombinant Rabbit mAb
线粒体氧化应激				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
AMPK alpha 1	ET1608-40	H,Ms,R	WB,IF-Cell,IF-Tissue,FC,IP,IHC-Fr,IHC-P	Recombinant Rabbit mAb
Phospho-AMPK alpha 1 (S496)	ET1612-72	H,Ms	WB,IP,IHC-Fr	Recombinant Rabbit mAb
ATF4	ET1612-37	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
ATF5	ET1612-38	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
ATF6	HA601321	H,Ms,R	WB,IF-Cell	Recombinant Mouse mAb
ATF6	HA722722	H,Ms,R	WB,IHC-P,ChIP	Recombinant Rabbit mAb
BACE1	HA722244	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
Bax	ET1603-34	H,Ms,R,G	WB,IF-Cell,FC	Recombinant Rabbit mAb
BDNF	HA722912	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,FC	Recombinant Rabbit mAb
CLPP	HA721503	H,Ms,R	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
Cpn10	ET7108-67	H,Ms,R	WB,IHC-P,IP	Recombinant Rabbit mAb
DNM1L	EM1708-45	H,Ms,R	WB,IF-Cell,FC	Mouse mAb
DRP1	HA500487	H,Ms,R	WB,IF-Cell,FC	Rabbit pAb

线粒体氧化应激				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Phospho-DRP1 (S616)	HA722760	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC	Recombinant Rabbit mAb
eIF2A	ET7111-34	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
EIF2S1	HA722112	H,Ms,R,Mk	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
Phospho-EIF2S1 (S51)	ET1603-14	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
eIF4EBP1	ET1701-83	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
Phospho-eIF4EBP1 (S65)	HA723106	H	WB,IF-Cell,IP	Recombinant Rabbit mAb
Phospho-eIF4EBP1 (T70)	HA723222	H,Ms	WB,IHC-P,IP	Recombinant Rabbit mAb
ERO1L	HA722818	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
FGF21	ET1704-04	H,Ms,R	WB,IHC-P,IF-Tissue	Recombinant Rabbit mAb
FOXO1A	ET1608-25	H,Ms,R,Z	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
Phospho-FOXO1A (T24)+ FOXO3A (T32)+ FOXO4 (T28)+ FOXO6 (T26)	HA722499	H,Ms	WB,IF-Cell,FC	Recombinant Rabbit mAb
Phospho-FOXO3a (S253)	ET1609-49	H,Ms,R	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
FOXO3A	ET1604-11	H,Ms,R	WB,IF-Cell,IF-Tissue	Recombinant Rabbit mAb
FOXO4	ET1701-67	H,Ms,R	WB,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
Fumarate hydratase	HA723032	H,Ms,R	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
GADD34	EM1902-26	H	WB,IHC-P	Mouse mAb
Human IL-18	HA721767	H	WB,IHC-P	Recombinant Rabbit mAb
Heme Oxygenase 1 (HO-1)	HA721854	H,Ms	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
IKB beta	ET1611-1	H	WB,IF-Cell,IHC-P,IP	Recombinant Rabbit mAb
IKK alpha	ET1611-15	H,Ms,R	WB,IHC-P,IP,FC	Recombinant Rabbit mAb
IKK alpha + IKK beta	ET1611-23	H,Ms,R	WB,IF-Cell,IP	Recombinant Rabbit mAb
IL-1 beta	ET1701-39	H	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
IRE1	HA723225	H,Ms,R,Mk	WB	Recombinant Rabbit mAb
Phospho-IRE1 (S724)	HA721980	H,Ms	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
Keap1	HA721525	H,Ms,R	WB,IHC-P,FC	Recombinant Rabbit mAb
MAPK14	EM40307	H,Ms	WB,IF-Cell,IHC-P	Mouse mAb
NF-kB p65	ET1603-12	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Phospho-NF-kB p65 (S529)	ET1604-27	H	WB,IHC-P,FC,IP	Recombinant Rabbit mAb
Phospho-NF-kB p65 (S536)	HA723223	H,Ms	WB,IF-Cell	Recombinant Rabbit mAb
NLRP3	ET1610-93	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb

线粒体氧化应激				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
NRF1	ET1705-86	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
Nrf2	HA721432	H,R	WB,IF-Cell	Recombinant Rabbit mAb
Phospho-Nrf2 (S40)	ET1608-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Recombinant Rabbit mAb
OPA1	HA722673	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
OPA1	ET1705-9	H,Ms,R	WB,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
PGC1 alpha+beta	ET1702-96	H,Ms,R	WB	Recombinant Rabbit mAb
PGC1 beta	ET1705-65	H,R	WB,IP,FC	Recombinant Rabbit mAb
SDHA	ET1703-40	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
SEC61B	HA723110	H,Ms,R	WB,IHC-P,IF-Cell,IP,IF-Tissue	Recombinant Rabbit mAb
SIRT1	ET1603-3	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,ChIP	Recombinant Rabbit mAb
Phospho-SIRT1 (S47)	ET1611-31	H	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
Phospho-SIRT1 (T530)	ET1701-27	H	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
SIRT2	ET1611-72	H	WB,IP	Recombinant Rabbit mAb
SIRT3	HA722251	H,Ms,R	WB,IHC-P,IF-Cell,FC,IF-Tissue,IP,ChIP	Recombinant Rabbit mAb
TXNRD2	HA721806	H,Ms,R	WB,IHC-P,IF-Tissue	Recombinant Rabbit mAb
UCP1	HA500118	H,Ms,R	WB,IHC-P	Rabbit pAb
线粒体融合与裂变				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ATG7	ET1610-53	H,R	WB,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
BNIP3L	HA722056	H,Ms,R,Mk	WB,IHC-P	Recombinant Rabbit mAb
DRP1	HA500487	H,Ms,R	WB,IF-Cell,FC	Rabbit pAb
Phospho-DRP1 (S616)	HA722760	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC	Recombinant Rabbit mAb
Mitofusin 1	ET1702-01	H	WB,IP,FC	Recombinant Rabbit mAb
Mitofusin 2	HA720073	H,Ms,R	WB	Recombinant Rabbit mAb
OPA1	ET1705-9	H,Ms,R	WB,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
OPA1	HA722673	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
Parkin	ET1702-60	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Parkin	HA722952	H,Ms,R,Mk	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP,IHC-Fr	Recombinant Rabbit mAb
PBR	ET1601-19	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
PINK1	HA723021	H,Ms,R	WB,IHC-P,IHC-Fr	Recombinant Rabbit mAb
ULK1	ET1704-63	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Phospho-ULK1 (S556)	HA721445	H,Ms	WB	Recombinant Rabbit mAb

线粒体融合与裂变				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ULK2	EM1707-69	H,Ms,R	WB,FC	Mouse mAb
线粒体功能障碍相关神经退行性疾病				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
AIF	ET1603-4	H,Ms,R	WB,IF-Cell,IHC-P,IP,FC	Recombinant Rabbit mAb
ALDH1A1	EM1801-07	H,R,Ms	WB,IHC-P,IF-Cell,FC,IHC-Fr	Mouse mAb
Alpha-Synuclein	HA723035	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
Phospho-alpha Synuclein (S129)	ET7107-30	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
AMPK alpha 1	ET1608-40	H,Ms,R	WB,IF-Cell,IF-Tissue,FC,IP,IHC-Fr,IHC-P	Recombinant Rabbit mAb
Phospho-AMPK alpha 1 (S496)	ET1612-72	H,Ms	WB,IP,IHC-Fr	Recombinant Rabbit mAb
Amyloid Beta A4 Precursor (APP)	1007-5	H,Ms,R	WB,IF-Cell	Rabbit pAb
Apolipoprotein E	HA601391	Ms,R	IHC-Fr,IHC-P,WB	Recombinant Chimeric Antibody
Apolipoprotein E	HA723216	Ms,R	WB,IHC-Fr,IHC-P	Recombinant Rabbit mAb
APP/β-Amyloid	HA722139	H,Ms,R	WB,IHC-P,IF-Tissue,IHC-Fr	Recombinant Rabbit mAb
ATF1	ET1701-30	H	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
ATG12	HA721504	H	WB,IF-Cell,FC	Recombinant Rabbit mAb
ATG4B	HA721829	H,Ms,R,Mk	WB	Recombinant Rabbit mAb
ATG5	ET1611-38	H,Ms,R,Mk	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Axl	HA722740	H,Mk	WB,IF-Cell,FC	Recombinant Rabbit mAb
BACE1	HA722244	H,Ms,R	WB,IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
Bcl-2	ET1702-53	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
Bcl-2	HA721235	H	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
BDNF	HA722912	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,FC	Recombinant Rabbit mAb
Beclin 1	HA721216	H,Ms,R	WB,IHC-P,IF-Cell	Recombinant Rabbit mAb
beta Amyloid	HA722962	H,Ms	WB,IHC-P,IF-Tissue,Dot Blot	Recombinant Rabbit mAb
beta Amyloid 1-40	HA722485	H,Ms	WB,IHC-P,IF-Tissue	Recombinant Rabbit mAb
beta Amyloid 1-42	HA722754	H,Ms	WB,IHC-P,IF-Tissue	Recombinant Rabbit mAb
BNIP3	ET1704-08	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
CD11c	HA722830	Ms	WB,IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
Cdk5	ET1602-17	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb

线粒体功能障碍相关神经退行性疾病				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
cGAS	HA500023	H,Ms,R,P	WB,IF-Cell,IHC-P	ReRabbit pAb
COMT	ET7108-89	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
CREB	ET1601-15	H,Ms,Z,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Phospho-Creb (S133)	ET7107-93	H,Ms,R	WB,IF-Cell,IHC-P,IP,FC,IF-Tissue	Recombinant Rabbit mAb
DAP12	ET7108-76	H	WB,IHC-P,FC	Recombinant Rabbit mAb
DARPP32	ET1608-23	H,Ms,R	WB,IF-Cell,IP,FC,IHC-P,IHC-Fr	Recombinant Rabbit mAb
Dopamine D2 Receptor	HA723162	H,Ms	WB,IHC-Fr,IF-Cell,FC	Recombinant Rabbit mAb
Dopamine D2 Receptor	HA723163	H,Ms,R	IHC-Fr,IHC-P	Recombinant Rabbit mAb
DRD1	ET1703-45	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
DRP1	HA500487	H,Ms,R	WB,IF-Cell,FC	Rabbit pAb
Phospho-DRP1 (S616)	HA722760	H,Ms,R	WB,IHC-P,IF-Tissue,IF-Cell,FC	Recombinant Rabbit mAb
eIF4EBP1	ET1701-83	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
FOXO1A	ET1608-25	H,Ms,R,Z	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
FOXO3A	ET1604-11	H,Ms,R	WB,IF-Cell,IF-Tissue	Recombinant Rabbit mAb
Phospho-FOXO3a (S253)	ET1609-49	H,Ms,R	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
FUNDC1	HA721530	H,R	WB,IHC-P	Recombinant Rabbit mAb
GBA	ET1703-32	H,Ms,R	WB,IHC-P	Recombinant Rabbit mAb
Gbeta5	HA500513	H,Ms,R	WB,IHC-P,FC	Rabbit pAb
GDNF	ET1704-46	H,Ms,R	WB,IF-Cell	Recombinant Rabbit mAb
GluA4	HA721582	H,Ms,R	WB,IHC-P,FC	Recombinant Rabbit mAb
Glutamate receptor 1	ET1612-10	H,Ms,R	WB,IHC-P,IP,IHC-Fr	Recombinant Rabbit mAb
GNAS	HA601275	H,Ms,R	WB,IF-Cell,IHC-P	Recombinant Mouse mAb
GNB1	HA500392	H,Ms,R	WB,IHC-P,IF-Cell	Rabbit pAb
GNB2	ET7109-53	H,Ms,R	WB,IHC-P,FC	Recombinant Rabbit mAb
GNB3	HA500127	H,Ms,R	WB,IF-Cell,IHC-P	Rabbit pAb
Hexokinase 1	ET1609-28	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Hip1	EM1901-04	H,Ms,R	WB,IF-Cell,IHC-P	Mouse mAb
Huntingtin	ET7107-60	H,Ms,R	WB,IHC-P,FC,IHC-Fr,IF-Cell,IF-Tissue	Recombinant Rabbit mAb
IL-1 beta	ET1701-39	H	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
IL-1 beta	HA601002	H,Ms,R	WB,ELISA,IF-Cell	Mouse mAb
IL-18	HA721536	H	WB,IHC-P	Recombinant Rabbit mAb
LC3B	ET1701-65	H,Ms,R	WB,IF-Cell,IHC-P,IF-Tissue,IP,mIHC	Recombinant Rabbit mAb

线粒体功能障碍相关神经退行性疾病				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
LRRK2	HA722932	H,Ms,R	IHC-P,IF-Tissue,IHC-Fr	Recombinant Rabbit mAb
Mitofilin	HA721635	H,Ms,R	WB,IHC-P,IF-Cell,IF-Tissue	Recombinant Rabbit mAb
Mitofusin 1	ET1702-01	H	WB,IP,FC	Recombinant Rabbit mAb
mtTFA	ET1705-64	H	WB,IF-Cell,IF-Tissue,IHC-P,IP	Recombinant Rabbit mAb
NLRP3	ET1610-93	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb
NMDAR1	ET1703-75	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Recombinant Rabbit mAb
NMDAR2A	ET1704-80	H,Ms,R	WB,IHC-P,IF-Tissue	Recombinant Rabbit mAb
NMDAR2B	HA722284	H,Ms,R	WB,IHC-P,IHC-Fr	Recombinant Rabbit mAb
OPA1	ET1705-9	H,Ms,R	WB,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
OPA1	HA722673	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Recombinant Rabbit mAb
Optineurin	ER2001-02	H	WB,FC	Rabbit pAb
Osteopontin	HA723081	H,Ms,R	IHC-Fr,IHC-P,IF-Tissue	Recombinant Rabbit mAb
P2Y12	HA722133	H,Ms,R	IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
P2Y12	HA601388	Ms,R	IHC-Fr,IHC-P	Recombinant Chimeric Antibody
PARK7/DJ1	ET1611-45	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Parkin	ET1702-60	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Parkin	HA722952	H,Ms,R,Mk	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP,IHC-Fr	Recombinant Rabbit mAb
Peroxiredoxin 3	ET1704-92	H	WB,IF-Cell,IHC-P,FC,IP	Recombinant Rabbit mAb
PGC1 alpha+beta	ET1702-96	H,Ms,R	WB	Recombinant Rabbit mAb
PGP9.5	ET1703-22	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Recombinant Rabbit mAb
PINK1	HA723021	H,Ms,R	WB,IHC-P,IHC-Fr	Recombinant Rabbit mAb
PON2	ET7108-19	H,Ms,R	WB,IHC-P,IP	Recombinant Rabbit mAb
Presenilin 1 / PS-1	HA500219	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr,IF-Tissue	Rabbit pAb
Presenilin 1 / PS-1	HA722995	H,Ms,R	IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
REST	HA720081	H	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
SIRT1	ET1603-3	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,ChIP	Recombinant Rabbit mAb
Phospho-SIRT1 (S47)	ET1611-31	H	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
Phospho-SIRT1 (T530)	ET1701-27	H	WB,IF-Cell,IF-Tissue,IHC-P,FC	Recombinant Rabbit mAb
SIRT2	ET1701-43	H	WB	Recombinant Rabbit mAb
SIRT3	HA722251	H,Ms,R	WB,IHC-P,IF-Cell,FC,IF-Tissue,IP,ChIP	Recombinant Rabbit mAb
SQSTM1 / p62	HA721171	H,Ms,R	WB,IHC-P,IF-Cell,FC,IF-Tissue,IHC-Fr	Recombinant Rabbit mAb
STING	HA722832	H,Ms,R	WB,IF-Cell,IHC-P,FC,IF-Tissue,IP	Recombinant Rabbit mAb

线粒体功能障碍相关神经退行性疾病				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Phospho-STING (S366)	HA723137	H	WB, WB, Dot Blot, IP	Recombinant Rabbit mAb
Superoxide Dismutase 1	ET1702-36	H, Ms, R	WB, IF-Cell, IHC-P, FC	Recombinant Rabbit mAb
Tau	ET1603-2	H, Ms, R	WB, IHC-P, IP, IHC-Fr	Recombinant Rabbit mAb
Tau	ET1612-44	H, Ms, R	WB, IF-Cell, IF-Tissue, IHC-P, FC, IHC-Fr	Recombinant Rabbit mAb
Phospho-Tau (S396)	ET1611-68	Ms, R, H	WB, IF-Cell, IF-Tissue, IHC-P, IHC-Fr	Recombinant Rabbit mAb
Phospho-Tau (T217)	HA723091	H, Ms, R	WB, IF-Cell, IHC-P, IHC-Fr	Recombinant Rabbit mAb
Phospho-Tau (T231)	ET1610-31	H, Ms, R	WB, IHC-P, IP, IF-Tissue, IHC-Fr	Recombinant Rabbit mAb
TBK1	HA601044	H, Ms, R	WB	Mouse mAb
TDP43	ET1703-74	H, Ms, R, Z	WB, IP, IF-Cell, IF-Tissue, IHC-P, FC, IHC-Fr	Recombinant Rabbit mAb
TDP43	HA723072	H, Ms, R	WB, IF-Cell, IHC-P, IHC-Fr, IF-Tissue, FC, IP	Recombinant Rabbit mAb
TMEM119	HA500260	H, Ms	WB, IF-Cell, FC	Rabbit pAb
TREM2	ER1902-96	H	WB, IHC-P, FC	Rabbit pAb
TRPM7	HA721501	H, Ms, R	WB, FC	Recombinant Rabbit mAb
Tyrosine Hydroxylase	ET1611-12	H, Ms, R	WB, IF-Cell, IHC-P, FC, IF-Tissue, mIHC, IHC-Fr	Recombinant Rabbit mAb
Tyrosine Hydroxylase	ET1612-65	H, Ms, R	WB, IHC-P, IF-Tissue, IHC-Fr	Recombinant Rabbit mAb
UCP1	HA500118	H, Ms, R	WB, IHC-P	Rabbit pAb
ULK1	ET1704-63	H, Ms, R	WB, IHC-P	Recombinant Rabbit mAb
Phospho-ULK1 (S556)	HA721445	H, Ms	WB	Recombinant Rabbit mAb
VCP	ET1703-56	H, Ms, R, Z, Mk	WB, IF-Cell, IF-Tissue, IHC-P, FC, IP	Recombinant Rabbit mAb
VPS35	ET7107-01	H, Ms, R	WB, IHC-P	Recombinant Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; Mk: Monkey; Z: Zebrafish; G: Goat; P: Pig



扫码详见更多
“线粒体研究”产品信息

Case 1

标题: Tetrahedral framework nucleic acids' role in facilitating chronic diabetic wound repair via the endoplasmic reticulum-mitochondrial pathway

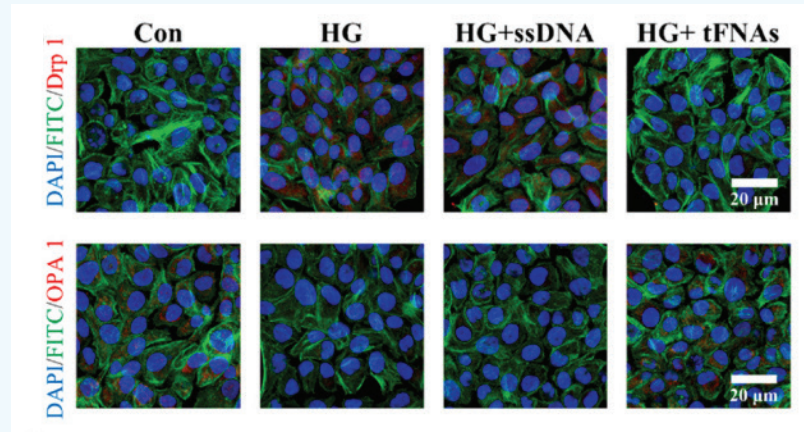
IF: 17.4

期刊: *Nano Today*. 56 (2024)102252.

产品名称: [OPA1 rabbit mAb | ET1705-9](#); [DRP1 rabbit pAb | HA500487](#)

应用: IF-Cell

科研单位: 四川大学



Representative immunofluorescence images of Drp 1 and OPA 1 protein to detect mitochondrial function, n = 5.

Case 2

标题: The RING-finger ubiquitin E3 ligase TaPIR1 targets TaHRP1 for degradation to suppress chlo-roplast function

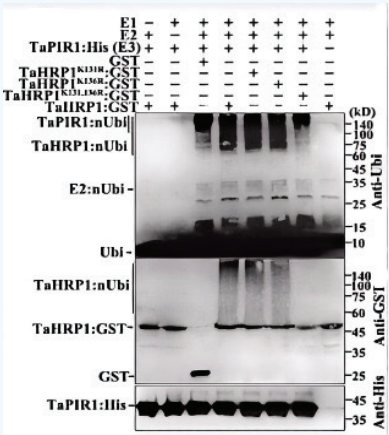
IF: 14.7

期刊: *Nat Commun*. 2024 Aug 12;15(1):6905.

产品名称: [Ubiquitin rabbit mAb | ET1609-21](#)

应用: WB

科研单位: 四川农业大学



Ubiquitination of TaHRP1 by TaPIR1 in vitro. Ubiquiti-nated TaHRP1, GST-tagged TaHRP1, and His-tagged TaPIR1 were separated and detected via western blotting with anti-ubiquitin, anti-GST, and anti-His antibodies, respectively. Similar results are obtained from two independent biological experiments.

Case 3

标题: Sortilin-mediated translocation of mitochondrial ACSL1 impairs adipocyte thermogenesis and energy expenditure in male mice

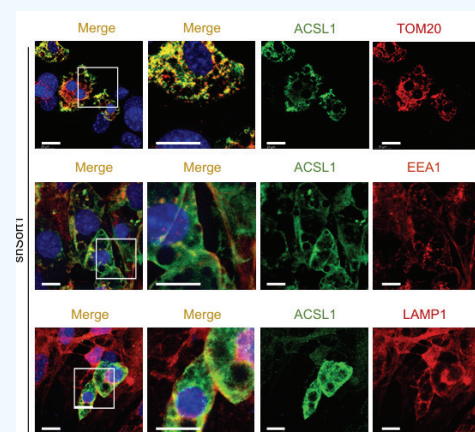
IF: 14.7

期刊: *Nat Commun.* 2024 Sep 5;15(1):7746.

产品名称: **TOMM20 rabbit mAb | ET1609-25**

应用: IF-Cell

科研单位: 华中科技大学



Representative images of immunofluorescence for ACSL1 (green) and TOM20 (red), EEA1 (red) and LAMP1 (red) in differentiated shcon and shSort1 iWAT cells. TOM20 as mitochondria marker, EEA1 (early endosome antigen 1) as late endosome marker and LAMP1 (lysosome-associated protein 1) as lysosomal marker was used.

Case 4

标题: Polyphenol-Based Photothermal Nanoparticles with Sprayable Capability for Self-regulation of Microenvironment to Accelerate Diabetic Wound Healing

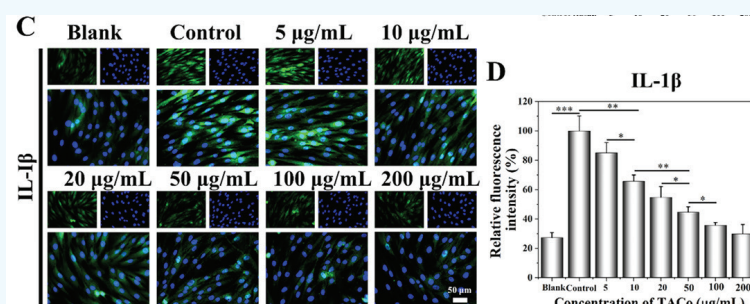
IF: 22.3

期刊: *Engineered Regeneration.* 2024 Dec; 5(4):505-520.

产品名称: **IL-1 beta rabbit mAb | ET1701-39**

应用: IF-Cell

科研单位: 广州医科大学



(C) The fluorescence images and (D) relative fluorescence intensities of IL-1 β on HDF cells (n = 3). The blue represent nucleus, and the green represent the IL-1 β .

Case 5

标题: hnRNPH1 maintains mitochondrial homeostasis by establishing NRF1/DRP1 retrograde signaling under mitochondrial stress

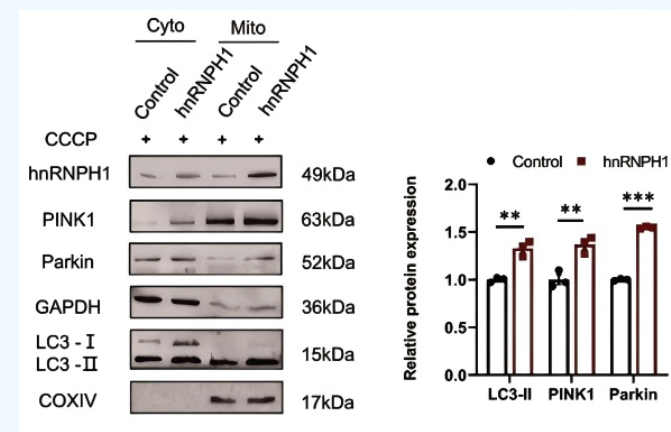
IF: 13.7

期刊: *Cell Death Differ.* 2024 Jun 19.

产品名称: **Parkin rabbit mAb | ET1702-60; PINK1 rabbit pAb | ER1706-27**

应用: WB

科研单位: 四川大学



HCT116 cells were transfected with hnRNPH1 and treated with CCCP, mitochondria-cytoplasmic separation experiments were performed, the expression of LC3, Parkin and PINK1 were detected by western blotting (left panel).

Case 6

标题: Tumor-derived extracellular vesicle drug delivery system for chemo-photothermal-immune combination cancer treatment

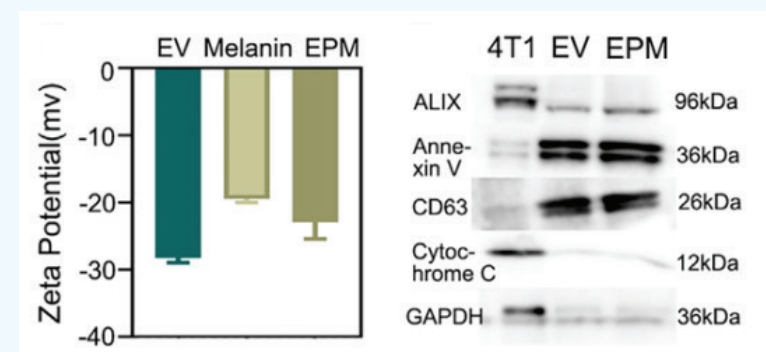
IF: 12.4

期刊: *iScience.* 2024 Feb 16; 27(2):108833.

产品名称: **Cytochrome C rabbit mAb | ET1610-60**

应用: WB

科研单位: 山西医科大学



The protein expression of CD63, ALIX cytochrome c, and Annexin V in EVs, EPM, and 4T1 cells.

