

Anti-Epsin 1 antibody [EPR3023] ab75879

重组 RabMAb

★★★★★ **1 Abreviews** **3 References** **7 图像**

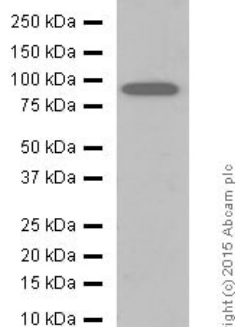
概述

产品名称	Anti-Epsin 1抗体[EPR3023]
描述	兔单克隆抗体[EPR3023] to Epsin 1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF 不适用于: IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Epsin 1 aa 450-550. The exact sequence is proprietary. Database link: Q9Y6I3
阳性对照	ICC/IF: SH-SY5Y cells WB: SH-SY5Y and HeLa cell lysates
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3023

同种型	IgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab75879于以下的经测试应用		
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。		
应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/2000. Predicted molecular weight: 58 kDa.
ICC/IF		1/50. For unpurified, use 1/100 - 1/250.
应用说明	Is unsuitable for IHC-P.	
靶标		
功能	Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). Modifies membrane curvature and facilitates the formation of clathrin-coated invaginations (By similarity). Regulates receptor-mediated endocytosis.	
序列相似性	Belongs to the epsin family. Contains 1 ENTH (epsin N-terminal homology) domain. Contains 3 UIM (ubiquitin-interacting motif) repeats.	
结构域	The NPF repeat domain is involved in EPS15 binding. The DPW repeat domain is involved in AP2A2 and clathrin binding. The [DE]-X(1,2)-F-X-X-[FL]-X-X-X-R motif mediates interaction with the AP-2 complex subunit AP2B1.	
翻译后修饰	Phosphorylated on serine and/or threonine residues in mitotic cells. Phosphorylation reduces interaction with REPS2, AP-2 and the membrane fraction. Depolarization of synaptosomes results in dephosphorylation. Ubiquitinated.	
细胞定位	Cytoplasm. Cell membrane. Nucleus. Membrane > clathrin-coated pit. Associated with the cytoplasmic membrane at sites where clathrin-coated pits are forming. Colocalizes with clathrin and AP-2 in a punctate pattern on the plasma membrane. Detected in presynaptic nerve terminals and in Golgi stacks. May shuttle to the nucleus when associated with ZBTB16/ZNF145.	
图片		



Western blot - Anti-Epsin 1 antibody [EPR3023]
(ab75879)

Anti-Epsin 1 antibody [EPR3023] (ab75879) at 1/5000 dilution
(purified) + rat brain at 20 µg

Secondary

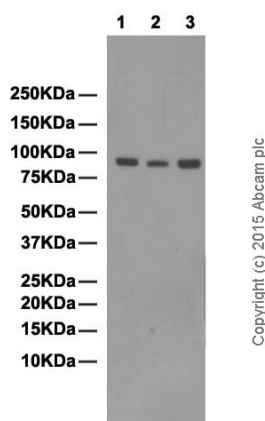
HRP goat anti-rabbit IgG (H+L) at 1/50000 dilution

Predicted band size: 58 kDa

Observed band size: 94 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Epsin 1 antibody [EPR3023]
(ab75879)

All lanes : Anti-Epsin 1 antibody [EPR3023] (ab75879) at 1/1000
dilution (purified)

Lane 1 : 293T cell lysate

Lane 2 : K562 cell lysate

Lane 3 : U-87 MG cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

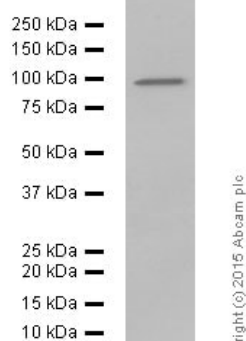
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 58 kDa

Observed band size: 94 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Epsin 1 antibody [EPR3023] (ab75879)

Anti-Epsin 1 antibody [EPR3023] (ab75879) at 1/5000 dilution (purified) + mouse brain tissue lysate at 20 µg

Secondary

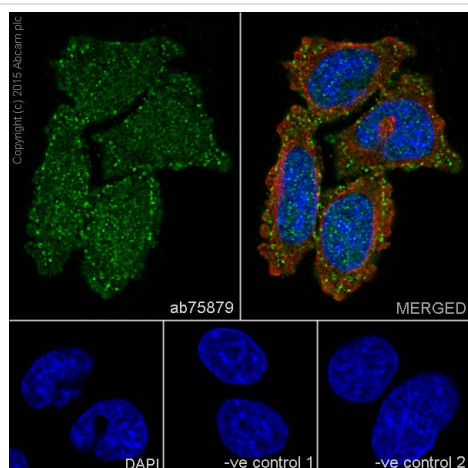
HRP goat anti-rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 58 kDa

Observed band size: 94 kDa

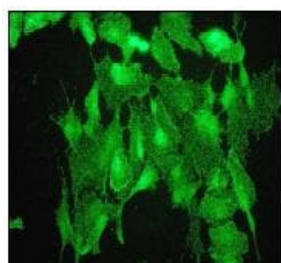
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



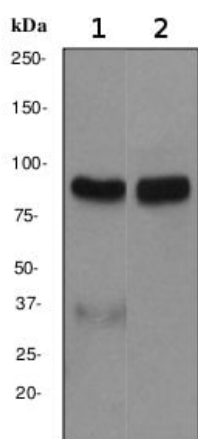
Immunocytochemistry/ Immunofluorescence - Anti-Epsin 1 antibody [EPR3023] (ab75879)

Immunofluorescence staining of HeLa cells with purified ab75879 at a working dilution of 1/50, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor® 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab75879 was used at a dilution of 1/500 followed by an Alexa Fluor® 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor® 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.



Immunocytochemistry/ Immunofluorescence - Anti-Epsin 1 antibody [EPR3023] (ab75879)

Unpurified ab75879, at a 1/100 dilution, staining Epsin 1 in SH-SY5Y cells by Immunofluorescence.



Western blot - Anti-Epsin 1 antibody [EPR3023]
(ab75879)

All lanes : Anti-Epsin 1 antibody [EPR3023] (ab75879) at 1/2000 dilution (unpurified)

Lane 1 : SH-SY5Y cell lysate

Lane 2 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit-HRP at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Epsin 1 antibody [EPR3023] (ab75879)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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