

### Anti-Epsin 1 antibody [EPR3023] ab75879

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **3 References** **画像数 7**

#### 製品の概要

製品名	Anti-Epsin 1 antibody [EPR3023]
製品の詳細	Rabbit monoclonal [EPR3023] to Epsin 1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human Epsin 1 aa 450-550. The exact sequence is proprietary. Database link: <a href="#">Q9Y6I3</a>
ポジティブ・コントロール	ICC/IF: SH-SY5Y cells WB: SH-SY5Y and HeLa cell lysates
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3023

## アプリケーション

**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab75879の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/500 - 1/2000. Predicted molecular weight: 58 kDa.
ICC/IF		1/50. <b>For unpurified, use 1/100 - 1/250.</b>

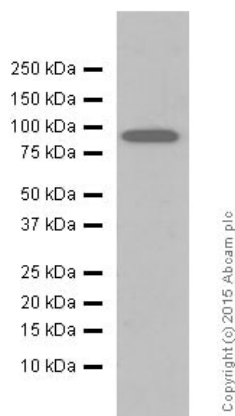
## 追加情報

Is unsuitable for IHC-P.

## ターゲット情報

機能	Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P <sub>2</sub> ). Modifies membrane curvature and facilitates the formation of clathrin-coated invaginations (By similarity). Regulates receptor-mediated endocytosis.
配列類似性	Belongs to the epsin family. Contains 1 ENTH (epsin N-terminal homology) domain. Contains 3 UIM (ubiquitin-interacting motif) repeats.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	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.

## 画像



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

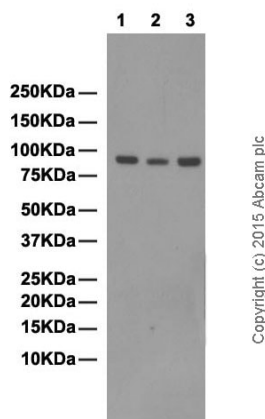
HRP goat anti-rabbit IgG (H+L) at 1/50000 dilution

**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

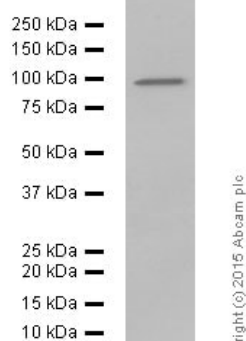
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/10000 dilution

**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

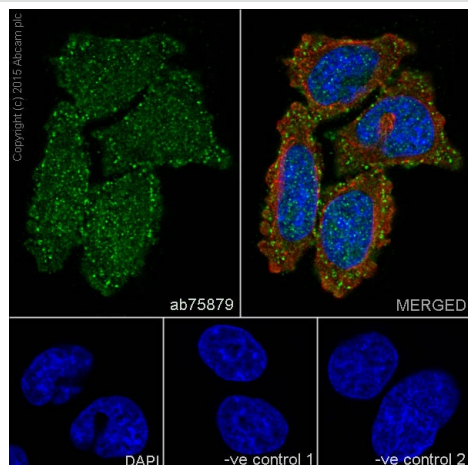
HRP goat anti-rabbit IgG (H+L) at 1/10000 dilution

**Predicted band size:** 58 kDa

**Observed band size:** 94 kDa

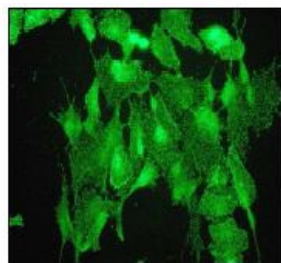
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



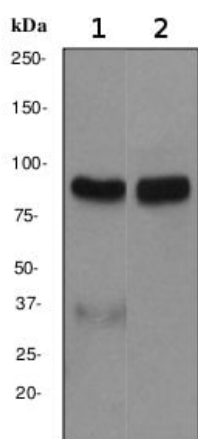
Immunocytochemistry/ Immunofluorescence - Anti-Epsin 1 antibody [EPR3023] (ab75879)

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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