

## Product datasheet

# Anti-SNAP29 antibody [EPR9199] ab138500

**KO VALIDATED** Recombinant RabMAb

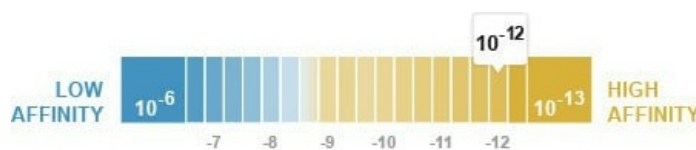
★★★★★ 4 Abreviews 16 References 7 Images

### Overview

<b>Product name</b>	Anti-SNAP29 antibody [EPR9199]
<b>Description</b>	Rabbit monoclonal [EPR9199] to SNAP29
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human SNAP29 aa 200-300 (C terminal). The exact sequence is proprietary.
<b>Positive control</b>	WB: 293T, Jurkat, HepG2, and HeLa cell lysates.
<b>General notes</b>	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> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.30 x 10 <sup>-12</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	Preservative: 0.01% Sodium azide
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	Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9199
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab138500 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

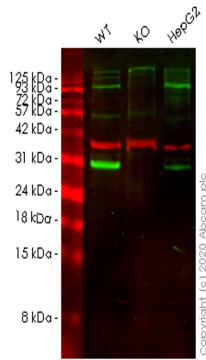
Application	Abreviews	Notes
<b>WB</b>	★★★★★ (4)	1/1000 - 1/10000. Predicted molecular weight: 27 kDa.
<b>IP</b>		1/10 - 1/100.

**Application notes** Is unsuitable for ICC/IF or IHC-P.

## Target

<b>Function</b>	Involved in multiple membrane trafficking steps.
<b>Tissue specificity</b>	Found in brain, heart, kidney, liver, lung, placenta, skeletal muscle, spleen and pancreas.
<b>Involvement in disease</b>	Defects in SNAP29 are the cause of CEDNIK syndrome (CEDNIK) [MIM:609528]. CEDNIK is a neurocutaneous syndrome characterized by cerebral dysgenesis, neuropathy, ichthyosis and palmoplantar keratoderma.
<b>Sequence similarities</b>	Belongs to the SNAP-25 family. Contains 1 t-SNARE coiled-coil homology domain.
<b>Cellular localization</b>	Cytoplasm. Membrane. Cell junction > synapse > synaptosome. Appears to be mostly membrane-bound, probably via interaction with syntaxins, but a significant portion is cytoplasmic.

## Images



Western blot - Anti-SNAP29 antibody [EPR9199]  
(ab138500)

**All lanes** : Anti-SNAP29 antibody [EPR9199] (ab138500) at 1/1000 dilution

**Lane 1** : Wild-type HeLa cell lysate

**Lane 2** : SNAP29 knockout HeLa cell lysate

**Lane 3** : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

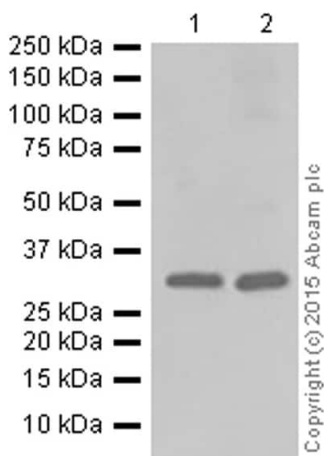
**All lanes** : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) at 1/10000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 29 kDa

**Lanes 1-3:** Merged signal (red and green). Green - ab138500 observed at 29 kDa. Red - loading control ab8245 observed at 36 kDa.

ab138500 Anti-SNAP29 antibody [EPR9199] was shown to specifically react with SNAP29 in wild-type HeLa cells. Loss of signal was observed when knockout cell line ab265289 (knockout cell lysate ab257693) was used. Wild-type and SNAP29 knockout samples were subjected to SDS-PAGE. ab138500 and Anti-GAPDH antibody [6C5] - Loading Control (ab8245) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (ab216776) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-SNAP29 antibody [EPR9199]  
(ab138500)

**All lanes** : Anti-SNAP29 antibody [EPR9199] (ab138500) at 1/2000 dilution (purified)

**Lane 1** : Mouse brain lysate

**Lane 2** : Rat brain lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

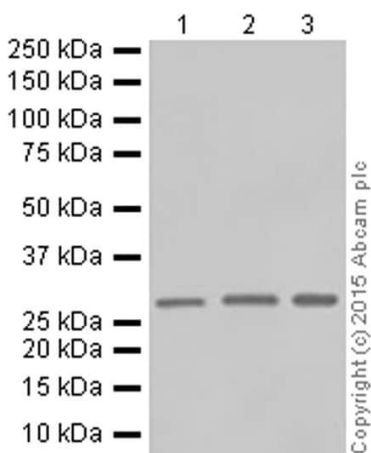
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 29 kDa

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-SNAP29 antibody [EPR9199]  
(ab138500)

**All lanes** : Anti-SNAP29 antibody [EPR9199] (ab138500) at 1/2000 dilution (purified)

**Lane 1** : HeLa cell lysate

**Lane 2** : HEK293 cell lysate

**Lane 3** : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

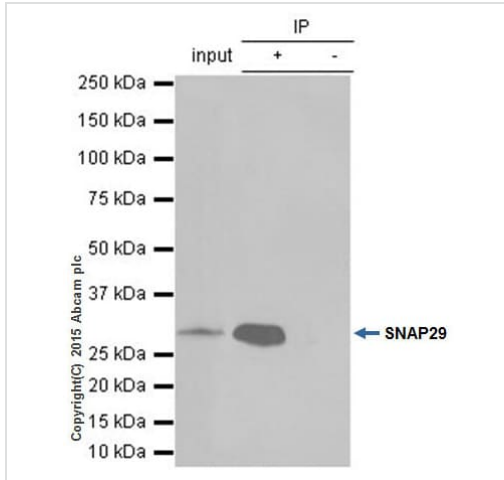
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 29 kDa

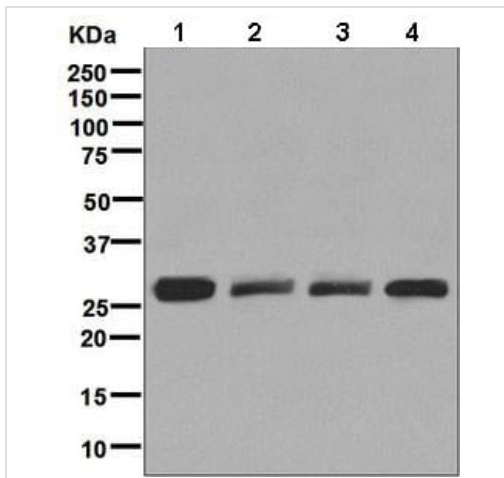
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Immunoprecipitation - Anti-SNAP29 antibody  
[EPR9199] (ab138500)

ab138500 (purified) at 1/20 immunoprecipitating SNAP29 in 10 µg HeLa cell lysate (Lanes 1 and 2, observed at 29 kDa). Lane 3 - Rabbit monoclonal IgG (ab172730). For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/1000 dilution. Blocking buffer and concentration: 5% NFDm/TBST Dilution buffer and concentration: 5% NFDm/TBST



Western blot - Anti-SNAP29 antibody [EPR9199]  
(ab138500)

**All lanes :** Anti-SNAP29 antibody [EPR9199] (ab138500) at 1/1000 dilution (unpurified)

**Lane 1 :** 293T cell lysate

**Lane 2 :** Jurkat cell lysate

**Lane 3 :** HepG2 cell lysate

**Lane 4 :** HeLa cell lysate

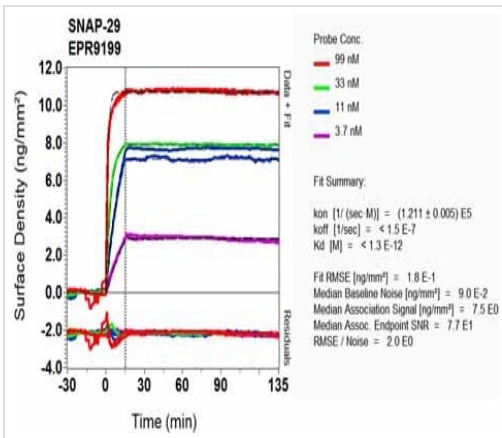
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 29 kDa



OI-RD Scanning - Anti-SNAP29 antibody [EPR9199]  
(ab138500)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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-SNAP29 antibody [EPR9199] (ab138500)

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

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