

# Anti-Syntaxin 4 antibody [EPR15473] ab184545

敲除验证
重组
RabMAb

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### 概述

产品名称	Anti-Syntaxin 4抗体[EPR15473]
描述	兔单克隆抗体[EPR15473] to Syntaxin 4
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HEK-293, K562, HeLa and A431 cell lysates. Wild-type HAP1 cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### 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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR15473
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab184545于以下的经测试应用

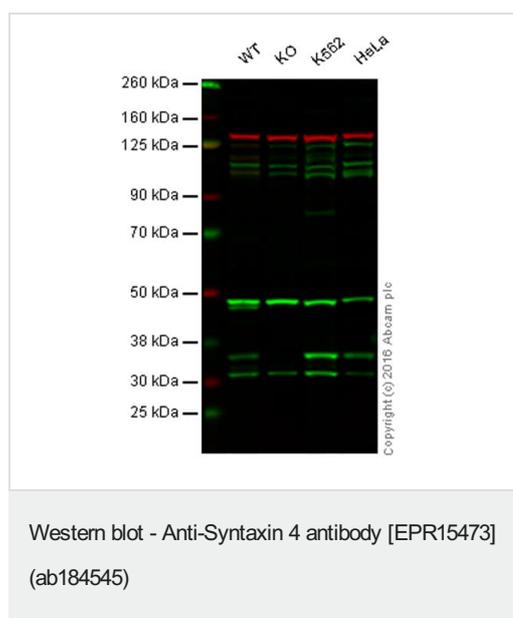
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).

## 靶标

<b>功能</b>	Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.
<b>组织特异性</b>	Expressed in neutrophils and neutrophil-differentiated HL-60 cells. Expression in neutrophils increases with differentiation.
<b>序列相似性</b>	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
<b>细胞定位</b>	Cell membrane.

## 图片



**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

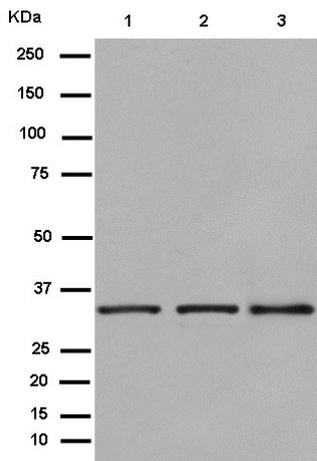
**Lane 2:** Syntaxin 4 knockout HAP1 cell lysate (20 µg)

**Lane 3:** K562 cell lysate (20 µg)

**Lane 4:** HeLa cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab184545 observed at 1X kDa. Red - loading control, **ab18058**, observed at 124 kDa.

ab184545 was shown to recognize Syntaxin 4 when Syntaxin 4 knockout samples were used, along with additional cross-reactive bands. Wild-type and Syntaxin 4 knockout samples were subjected to SDS-PAGE. ab184545 and **ab18058** (loading control to Vinculin) were diluted 1/1000 and 1/10,000 respectively and incubated overnight at 4°C. 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 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Syntaxin 4 antibody [EPR15473] (ab184545)

**All lanes :** Anti-Syntaxin 4 antibody [EPR15473] (ab184545) at 1/2000 dilution

**Lane 1 :** 293 cell lysate

**Lane 2 :** K562 cell lysate

**Lane 3 :** HeLa cell lysate

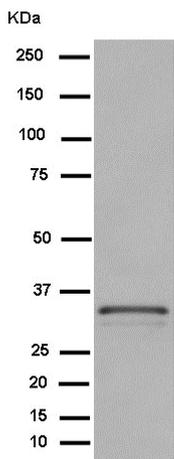
Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa



Western blot - Anti-Syntaxin 4 antibody [EPR15473] (ab184545)

Anti-Syntaxin 4 antibody [EPR15473] (ab184545) at 1/10000 dilution + A431 cell lysate at 20 µg

**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 34 kDa

**Observed band size:** 34 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-Syntaxin 4 antibody [EPR15473] (ab184545)

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

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