


Anti-Syntaxin 4 antibody [EPR15473] ab184545

敲除验证
重组
RabMAb

[5 References](#)
[4 图像](#)

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"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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

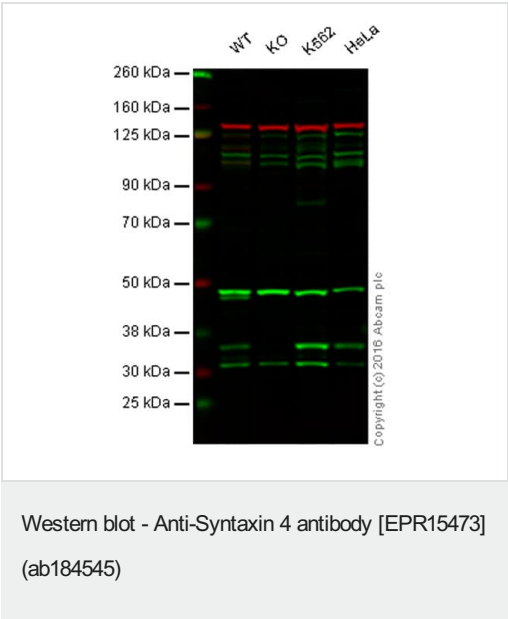
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

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

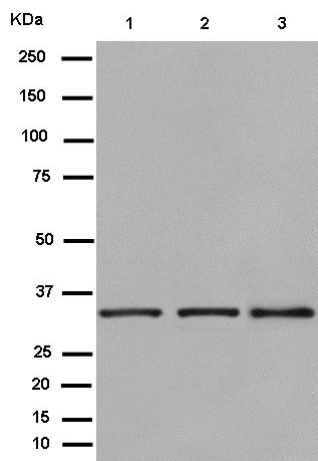
功能	Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface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

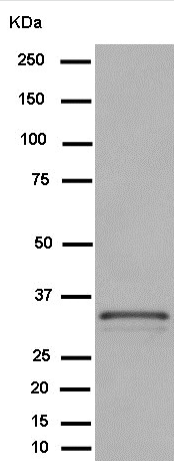
Lysates/proteins at 20 µg per lane.

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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