

Anti-NEAS antibody [EPR3017] ab75755

重组 RabMAb

★★★★★ 3 Abreviews 9 References 4 图像

概述

产品名称	Anti-NEAS抗体[EPR3017]
描述	兔单克隆抗体[EPR3017] to NEAS
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt,IHC-P or IP
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide within Human NEAS aa 2450-2550. The exact sequence is proprietary.
阳性对照	WB: HeLa lysates, untreated and treated with Camptothecin; Jurkat whole cell lysate (ab7899), untreated and treated with Staurosporine; TF-1, SH-SY5Y and human brain lysate, treated and untreated HeLA and parental HAP1 whole cell lysates
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% PBS
纯度	Protein A purified
克隆	单克隆

克隆编号EPR3017

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab75755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。

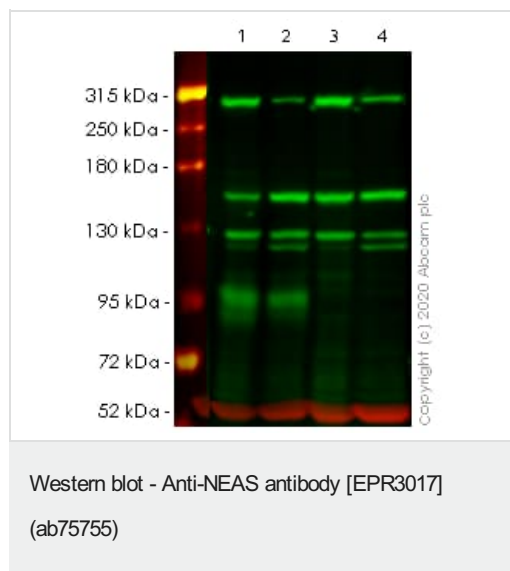
应用	Ab评论	说明
WB	★★★★★ (3)	1/500 - 1/2000. Detects a band of approximately 285 kDa (predicted molecular weight: 285 kDa).

应用说明 Is unsuitable for Flow Cyt,IHC-P or IP.

靶标

功能	Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane.
疾病相关	Defects in SPTAN1 are the cause of epileptic encephalopathy early infantile type 5 (EIEE5) [MIM:613477]. EIEE5 is a disorder characterized by seizures associated with hypsarrhythmia profound mental retardation with lack of visual attention and speech development, as well as spastic quadriplegia.
序列相似性	Belongs to the spectrin family. Contains 3 EF-hand domains. Contains 1 SH3 domain. Contains 23 spectrin repeats.
翻译后修饰	Phosphorylation of Tyr-1176 decreases sensitivity to cleavage by calpain in vitro.
细胞定位	Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Expressed along the cell membrane in podocytes and presumptive tubule cells during glomerulogenesis and is expressed along lateral cell margins in tubule cells.

图片



All lanes : Anti-NEAS antibody [EPR3017] (ab75755) at 1/1000 dilution

Lane 1 : Untreated HeLa (Human cervix adenocarcinoma epithelial cell), whole cell lysate

Lane 2 : HeLa, treated with 1 μ M Staurosporine for 3 hours, whole cell lysate

Lane 3 : Untreated parental HAP1 (Wildtype control Human chronic myelogenous leukemia near-haploid cell line), whole cell lysate

Lane 4 : parental HAP1, treated with 1 μ M Staurosporine for 3 hours, whole cell lysate

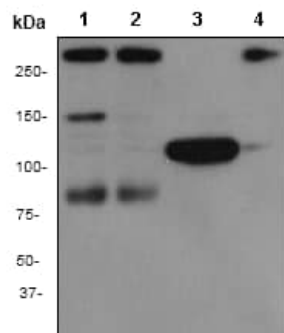
Lysates/proteins at 20 μ g per lane.

Predicted band size: 285 kDa

Merged signal (red and green). Green -ab75755 observed at 285, 150, 120 kDa using Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) as secondary antibody.

Red - loading control, **ab7291** observed at 52 kDa using Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) as secondary antibody.

Ab75755 was shown to react with NEAS in HeLa and parental HAP1 cells. lower signal was observed when treated cells (1 μ M Staurosporine for 3h) was used. Ab75755 and **ab7291** (Mouse anti alpha Tubulin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20,000 dilution respectively. Blots were developed with **ab216773** and **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-NEAS antibody [EPR3017]
(ab75755)

All lanes : Anti-NEAS antibody [EPR3017] (ab75755) at 1/1000 dilution

Lane 1 : HeLa cell lysate treated with Camptothecin

Lane 2 : HeLa cell lysate

Lane 3 : Jurkat treated with Staurosporine

Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

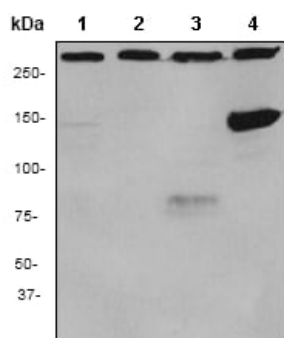
Secondary

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

Predicted band size: 285 kDa

Observed band size: 285 kDa

Additional bands at: 120 kDa (possible cleavage fragment), 150 kDa (possible cleavage fragment), 85 kDa. We are unsure as to the identity of these extra bands.



Western blot - Anti-NEAS antibody [EPR3017]
(ab75755)

All lanes : Anti-NEAS antibody [EPR3017] (ab75755) at 1/2000 dilution

Lane 1 : TF-1 cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : human brain lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 285 kDa

Observed band size: 285 kDa

Additional bands at: 150 kDa (possible cleavage fragment)

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-NEAS antibody [EPR3017] (ab75755)

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

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