abcam

Product datasheet

Anti-NEK7 antibody [EPR4901] ab109433

敲除验证 重组 RabMAb

2 References 4 图像

概述

产品名称	Anti-NEK7抗体[EPR4901]
描述	兔单克隆抗体[EPR4901] to NEK7
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB **不适用于:** ICC/IF,IHC-P or IP
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human brain, HeLa, A549, HepG2, fetal liver, and Jurkat lysates; Jurkat cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
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% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4901

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab109433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。

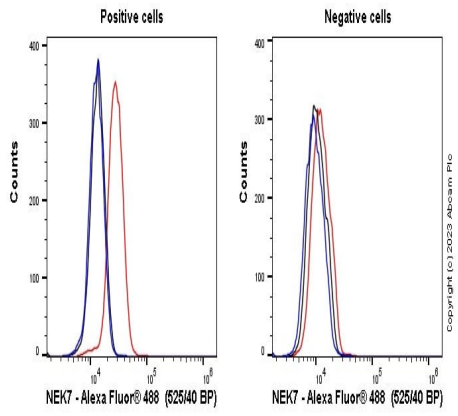
应用	Ab评论	说明
Flow Cyt (Intra)		Use a concentration of 0.2 µg/ml. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. PFA fixation not recommended
WB		1/1000 - 1/5000. Predicted molecular weight: 35 kDa.

应用说明	Is unsuitable for ICC/IF,IHC-P or IP.

靶标

组织特异性	Highly expressed in lung, muscle, testis, brain, heart, liver, leukocyte and spleen. Lower expression in ovary, prostate and kidney. No expression seen in small intestine.
序列相似性	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain.
细胞定位	Cytoplasm.

图片



Flow Cytometry (Intracellular) - Anti-NEK7 antibody [EPR4901] (ab109433)

Flow cytometry overlay histogram showing left wild-type HAP1 WT and right NEK7 knockout HAP1 WT stained with ab109433 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab109433) (1x 10^6 in 100µl at 0.2 µg/ml (1/3135 dilution)) for 30min at 22°C.

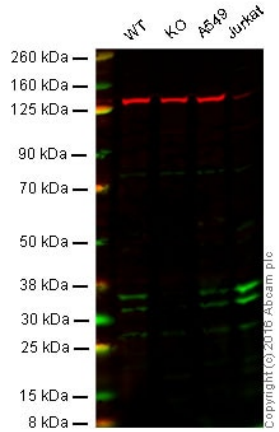
The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 dilution for 30min at 22°C

Isotype control antibody Recombinant Rabbit IgG, monoclonal [EPR25A] was used at the same concentration and conditions as the primary antibody (black line). Unlabelled sample was also used as a control (blue line).

Acquisition of >5000 events were collected using a 50 mW Blue

laser (488nm) and 525/40 bandpass filter.

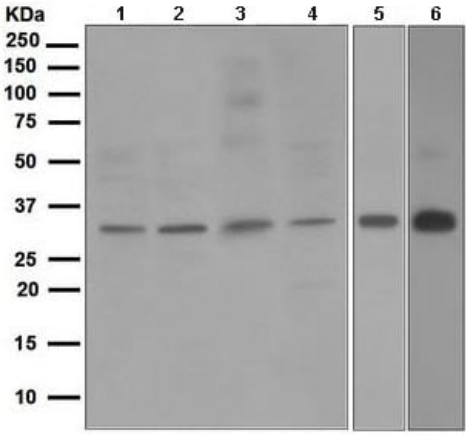
PFA fixation is not recommended.



Western blot - Anti-NEK7 antibody [EPR4901] (ab109433)

Lane 1: Wild-type HAP1 cell lysate (40 µg)
Lane 2: NEK7 knockout HAP1 cell lysate (40 µg)
Lane 3: A549 cell lysate (20 µg)
Lane 4: Jurkat cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab109433 observed at 35 kDa. Red - loading control, **ab18058**, observed at 124 kDa.

ab109433 was shown to specifically react with NEK7 when NEK7 knockout samples were used. Wild-type and NEK7 knockout samples were subjected to SDS-PAGE. Ab109433 and **ab18058** (loading control to Vinculin) were diluted at 1/1000 and 1/10000 dilution respectively and incubated overnight at 4C. 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 1/10000 dilution for 1 hour at room temperature before imaging.



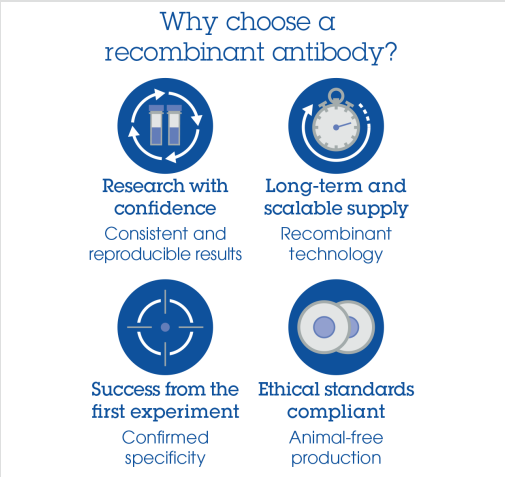
Western blot - Anti-NEK7 antibody [EPR4901] (ab109433)

All lanes : Anti-NEK7 antibody [EPR4901] (ab109433) at 1/10000 dilution

Lane 1 : Human brain lysate
Lane 2 : HeLa cell lysate
Lane 3 : A549 cell lysate
Lane 4 : HepG2 cell lysate
Lane 5 : Fetal liver lysate
Lane 6 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 35 kDa



Anti-NEK7 antibody [EPR4901] (ab109433)

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