abcam

Product datasheet

Anti-NEK7 antibody [EPR4900] ab133514

敲除验证 重组 RabMAb

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概述

产品名称	Anti-NEK7抗体[EPR4900]
描述	兔单克隆抗体[EPR4900] to NEK7
宿主	Rabbit
经测试应用	**适用于:** WB, IP **不适用于:** IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat, A549, C6, RAW264.7, PC12 and NIH/3T3 cell lysates. Wild-type HAP1 cell lysate. IP: NIH/3T3 whole cell lysate.
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: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4900
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab133514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)	1/10000. Predicted molecular weight: 35 kDa.
IP		1/10 - 1/100.

应用说明 Is unsuitable for IHC-P.

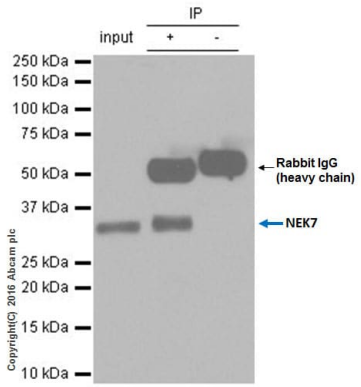
靶标

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



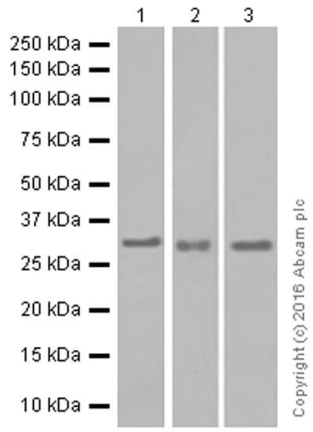
Immunoprecipitation - Anti-NEK7 antibody [EPR4900] (ab133514)

ab133514 immunoprecipitating NEK7. 10µg of cell lysate was incubated with primary antibody at a dilution of 1/20 and VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at a dilution of 1/1000.

Lane 1: NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate 10ug

Lane 2: NIH/3T3 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab133514 in NIH/3T3 whole cell lysate



Western blot - Anti-NEK7 antibody [EPR4900] (ab133514)

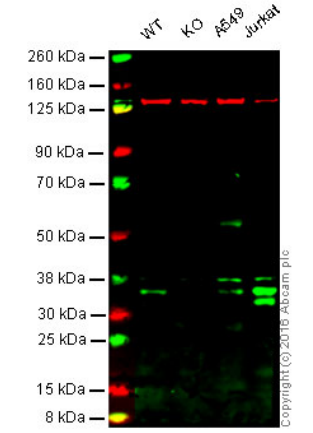
All lanes : Anti-NEK7 antibody [EPR4900] (ab133514) at 1/10000 dilution

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate
Lane 2 : C6 (Rat glial tumor glial cell) whole cell lysate
Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

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

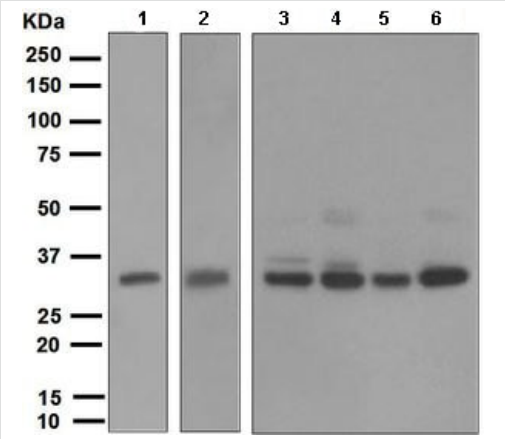
Predicted band size: 35 kDa



Western blot - Anti-NEK7 antibody [EPR4900] (ab133514)

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 - ab133514 observed at 35 kDa. Red - loading control, **ab18058**, observed at 124 kDa.

ab133514 was shown to specifically react with NEK7 when NEK7 knockout samples were used. Wild-type and NEK7 knockout samples were subjected to SDS-PAGE. Ab133514 and **ab18058** (loading control to Vinculin) were diluted at 1/10000 and 1/10,000 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 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-NEK7 antibody [EPR4900] (ab133514)

All lanes : Anti-NEK7 antibody [EPR4900] (ab133514) at 1/10000 dilution

Lane 1 : Jurkat cell lysate
Lane 2 : A549 cell lysate
Lane 3 : C6 cell lysate
Lane 4 : RAW264.7 cell lysate
Lane 5 : PC12 cell lysate
Lane 6 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

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

Developed using the ECL technique.

Predicted band size: 35 kDa
Observed band size: 32 kDa

Anti-NEK7 antibody [EPR4900] (ab133514)

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