

Anti-NEK7 antibody [EPR4900] ab133514

KO 評価済 リコンビナント RabMAb

★★★★☆ 2 Abreviews 47 References 画像数 5

製品の概要

製品名	Anti-NEK7 antibody [EPR4900]
製品の詳細	Rabbit monoclonal [EPR4900] to NEK7
由来種	Rabbit
アプリケーション	適用あり: WB, IP 適用なし: IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Jurkat, A549, C6, RAW264.7, PC12 and NIH/3T3 cell lysates. Wild-type HAP1 cell lysate. IP: NIH/3T3 whole cell lysate.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4900
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab133514の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/10000. Predicted molecular weight: 35 kDa.
IP		1/10 - 1/100.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

組織特異性

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.

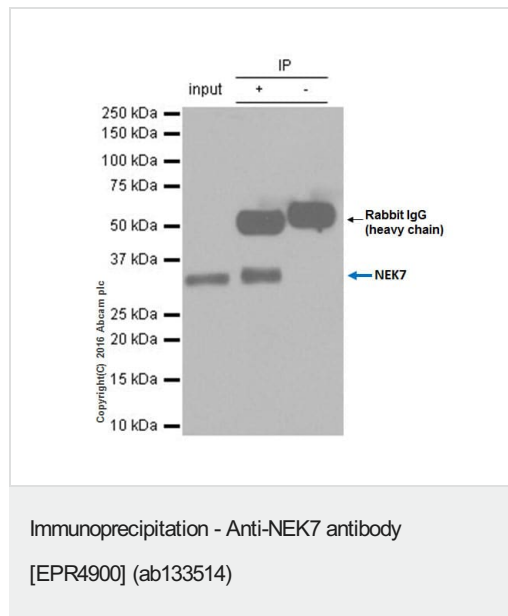
配列類似性

Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain.

細胞内局在

Cytoplasm.

画像

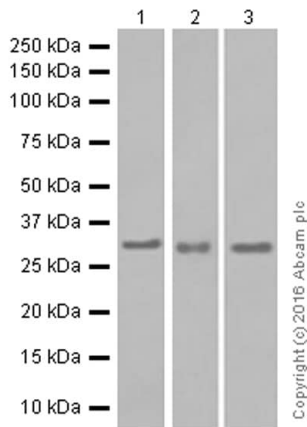


ab133514 immunoprecipitating NEK7. 10µg of cell lysate was incubated with primary antibody at a dilution of 1/20 and VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at a dilution of 1/1000.

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

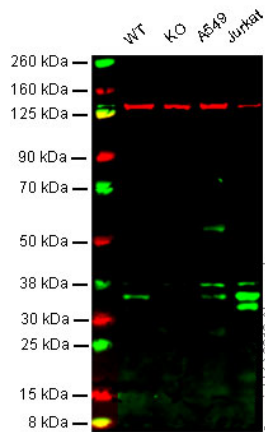
Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

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)

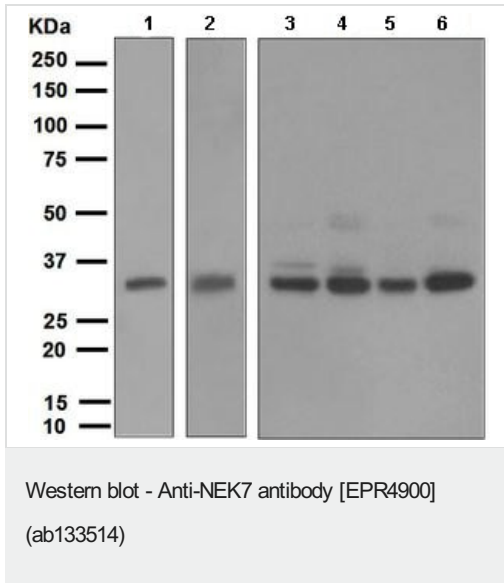
Lane 2: NEK7 knockout HAP1 cell lysate (40 µg)

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.



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

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-NEK7 antibody [EPR4900] (ab133514)

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