


Anti-JNK1 antibody [EPR17557] ab199380

敲除验证
重组
RabMAb

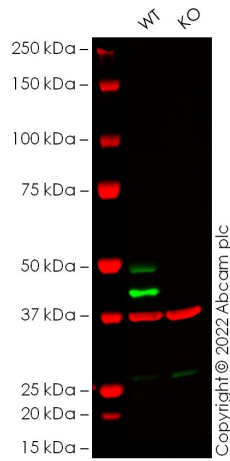
[48 References](#)
[10 图像](#)

概述

产品名称	Anti-JNK1抗体[EPR17557]
描述	兔单克隆抗体[EPR17557] to JNK1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Chicken, Hamster, Dog, Human, African green monkey, Xenopus tropicalis 预测可用于: Monkey 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Full length human JNK1 recombinant protein; HeLa, U937, MCF7, Jurkat, C6, RAW 264.7, PC-12, NIH/3T3, MDCK, COS-1, UMNSAH/DF-1 and BHK whole cell lysates; Human fetal brain, fetal heart and fetal kidney lysates; Rat brain, heart and spleen lysates; Xenopus (X. tropicalis) muscle 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. 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: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆



Western blot - Anti-JNK1 antibody [EPR17557] (ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/2500 dilution

Lane 1 : Wild-type U-2 OS cell lysate

Lane 2 : MAPK8 knockout U-2 OS cell lysate

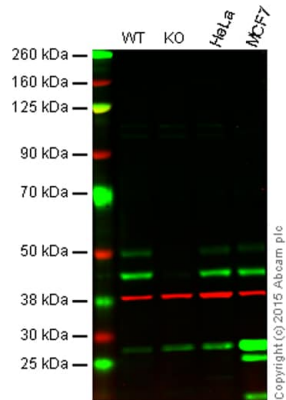
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 44 kDa

Observed band size: 42-48 kDa

False colour image of Western blot: Anti-JNK1 antibody [EPR17557] staining at 1/2500 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab199380 was shown to bind specifically to JNK1. A band was observed at 42/48 kDa in wild-type U-2 OS cell lysates with no signal observed at this size in mapk8 knockout cell line [ab277181](#) (knockout cell lysate [ab277223](#)). To generate this image, wild-type and mapk8 knockout U-2 OS cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



Western blot - Anti-JNK1 antibody [EPR17557]
(ab199380)

Lane 1: Wild-type HAP1 cell lysate (20 µg)

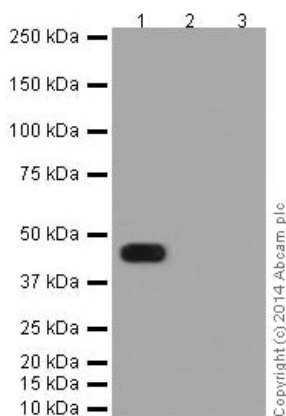
Lane 2: JNK1 knockout HAP1 cell lysate (20 µg)

Lane 3: HeLa cell lysate (20 µg)

Lane 4: MCF7 cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab199380 observed at 46 and 54 kDa. Red - loading control, **ab8226**, observed at 42 kDa.

ab199380 was shown to recognize JNK1 when JNK1 knockout samples were used, along with additional cross-reactive bands. Wild-type and JNK1 knockout samples were subjected to SDS-PAGE. ab199380 and **ab8226** (loading control to beta Actin) were diluted to 1/2500 and 1/1000 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 h at room temperature before imaging.



Western blot - Anti-JNK1 antibody [EPR17557]
(ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/5000 dilution

Lane 1 : Full length Human JNK1 recombinant protein

Lane 2 : Full length Human JNK2 recombinant protein

Lane 3 : Full length Human JNK3 recombinant protein

Lysates/proteins at 0.01 µg per lane.

Secondary

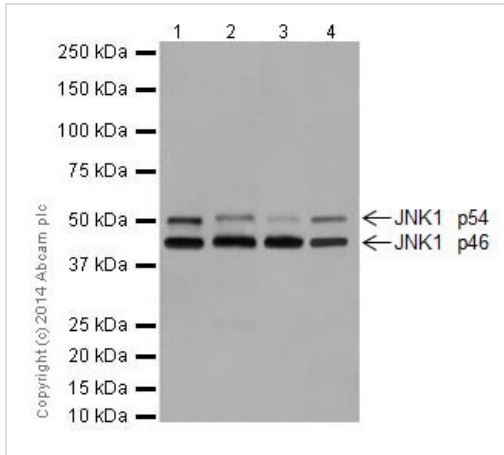
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 48 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Recombinant full length JNK1 protein contains aa1-427 with His-Tag®. Recombinant full length JNK2 protein contains aa1-424 with GST-tag and JNK3 protein contains aa1-464 with GST-tag.



Western blot - Anti-JNK1 antibody [EPR17557] (ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lane 2 : U937 (Human histiocytic lymphoma cells) whole cell lysate

Lane 3 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lane 4 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

Lysates/proteins at 20 µg per lane.

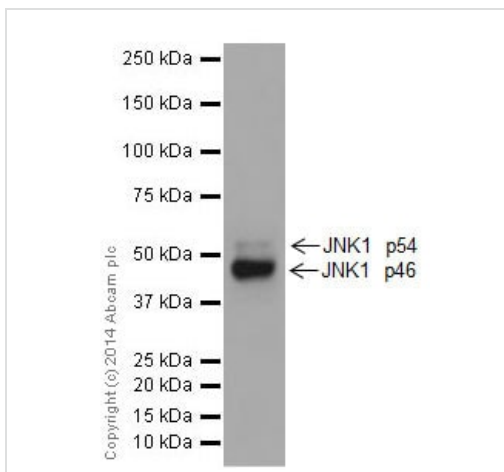
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-JNK1 antibody [EPR17557] (ab199380)

Anti-JNK1 antibody [EPR17557] (ab199380) at 1/2500 dilution + Human fetal brain lysate at 10 µg

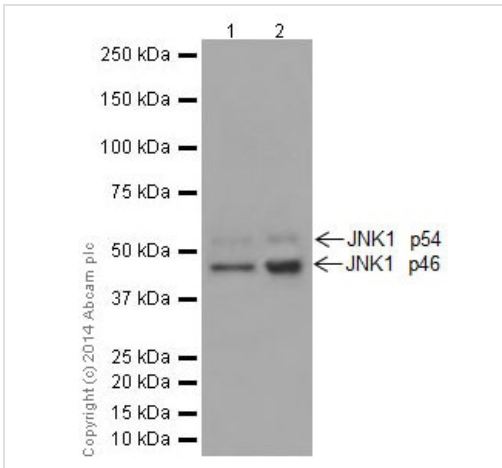
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-JNK1 antibody [EPR17557] (ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/2500 dilution

Lane 1 : Human fetal heart lysate

Lane 2 : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

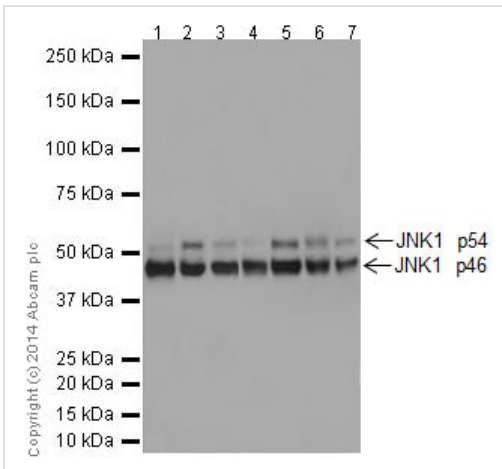
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-JNK1 antibody [EPR17557] (ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/5000 dilution

Lane 1 : Rat brain lysate

Lane 2 : Rat heart lysate

Lane 3 : Rat spleen lysate

Lane 4 : C6 (Rat glial tumor cells) whole cell lysate

Lane 5 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

Lane 6 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 7 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

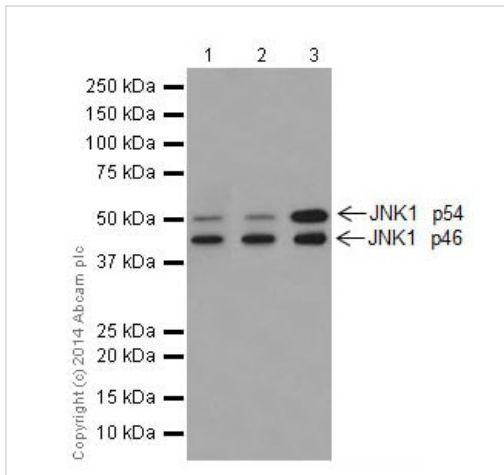
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-JNK1 antibody [EPR17557]
(ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/2500 dilution

Lane 1 : MDCK (Canine kidney cell line) whole cell lysates

Lane 2 : COS-1 (African green monkey kidney fibroblast-like cell line) whole cell lysates

Lane 3 : UMNSAH/DF-1 (Transformed chicken embryonic fibroblast cells) whole cell lysates

Lysates/proteins at 10 µg per lane.

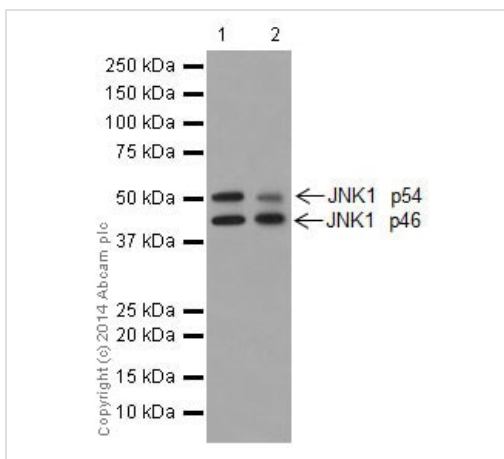
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-JNK1 antibody [EPR17557]
(ab199380)

All lanes : Anti-JNK1 antibody [EPR17557] (ab199380) at 1/2500 dilution

Lane 1 : Xenopus (*X. tropicalis*) muscle lysates

Lane 2 : BHK (Hamster kidney fibroblast cells) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary


All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 44 kDa

Observed band size: 46,54 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

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-JNK1 antibody [EPR17557] (ab199380)

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

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