


Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] ab124956

重组 RabMAb

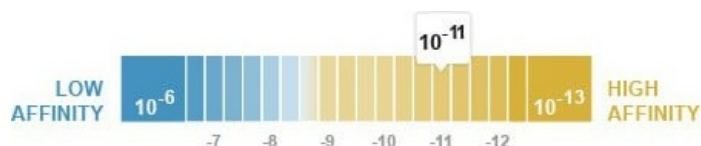
★★★★☆ [7 Abreviews](#) [207 References](#) [9 图像](#)

概述

产品名称	Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221)抗体[EPR5693]
描述	兔单克隆抗体[EPR5693] to JNK1 + JNK2 + JNK3 (phospho T183+T183+T221)
宿主	Rabbit
特异性	This antibody will detect will detect JNK1 (pT183), JNK2 (pT183) and JNK3 (pT221).
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF, Dot blot
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	NIH 3T3 cell lysates treated with Anisomycin; Human brain tissue. IP: HeLa treated with 25ug/mL anisomycin for 30min whole cell lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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.
解离常数 (K_D)	K _D = 2.09 x 10 ⁻¹¹ M



[Learn more about K_D](#)

存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5693
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab124956于以下的经测试应用

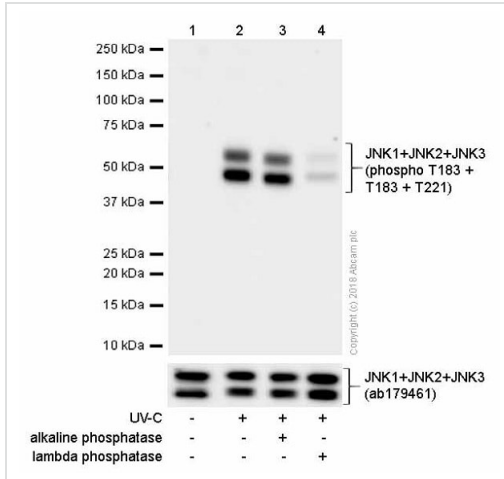
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (5)	1/1000 - 1/10000. Detects a band of approximately 46-54 kDa.
IP		1/10 - 1/100.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC/IF	★★★★★ (1)	1/50 - 1/100.
Dot blot		1/1000.

靶标

细胞定位 Cytoplasmic, Mitochondrial, Nuclear and Plasma membrane

图片



Western blot - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

All lanes : Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) Whole cell lysates with 5% NFDm/TBST

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 20J/m2 UV-C then recovery for 1 hour whole cell lysates with 5% NFDm/TBST

Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 20J/m2 UV-C then recovery for 1 hour whole cell lysates. Then the membrane was incubated with alkaline phosphatase with 5% NFDm/TBST

Lane 4 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 20J/m2 UV-C then recovery for 1 hour whole cell lysates. Then the membrane was incubated with lambda phosphatase with 5% NFDm/TBST

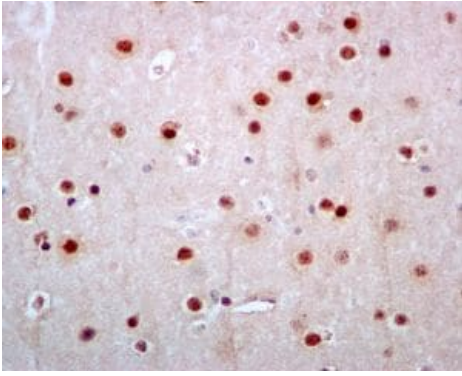
Lysates/proteins at 15 µg per lane.

Secondary

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

Observed band size: 46,54 kDa

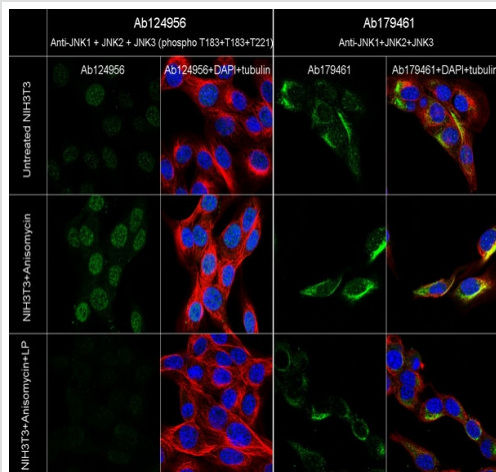
Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

ab124956, at 1/100 dilution staining JNK1+JNK2+JNK3 in paraffin-embedded Human brain tissue, by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



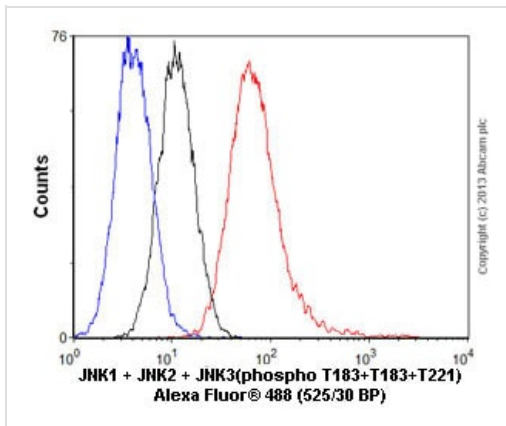
Immunocytochemistry/ Immunofluorescence - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

Immunocytochemistry/Immunofluorescence analysis of untreated, Anisomycin treated and Anisomycin + LP treated NIH/3T3 cells labelling JNK1 + JNK2 + JNK3 (phospho T183 + T183 + T221) with ab124956 at a dilution of 1/100 (left) and JNK1 + JNK2 + JNK3 with **ab179461** at a dilution of 1/250 (right).

Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor[®] 594-conjugated goat anti-mouse IgG (1/1000) were also used.

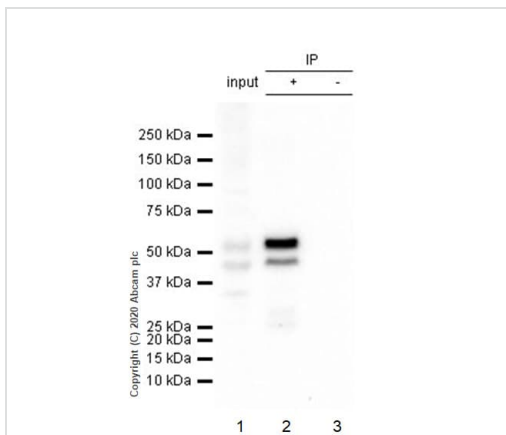
The image shows increased nuclear staining after Anisomycin (250ng/ml, 30min) treatment on NIH3T3 cells. The LP treatment decreased the increased nuclear staining caused by Anisomycin.

ab179461 was used as a Pan control for ab124956. The results showed cytoplasmic staining on untreated, Anisomycin and Anisomycin + LP treated NIH3T3 cells.



Flow Cytometry (Intracellular) - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

Overlay histogram showing HeLa cells stained with ab124956 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab124956, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was goat anti-rabbit Alexa Fluor® 488 IgG (H+L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunoprecipitation - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

Purified ab124956 at 1/70 dilution (2µg) immunoprecipitating JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) in HeLa treated with 25µg/mL anisomycin for 30min whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) treated with 25µg/mL anisomycin for 30min whole cell lysate 10µg

Lane 2 (+): ab124956 + HeLa treated with 25µg/mL anisomycin for 30min whole cell lysate.

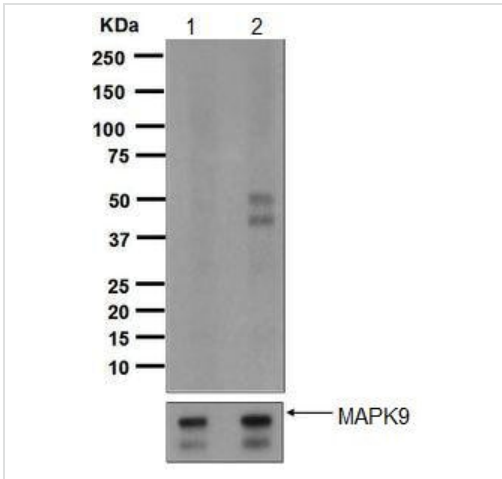
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab124956 in HeLa treated with 25µg/mL anisomycin for 30min whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/5000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 46, 54 kDa



Western blot - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

All lanes : Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956) at 1/1000 dilution

Lane 1 : NIH 3T3 cell lysate, untreated

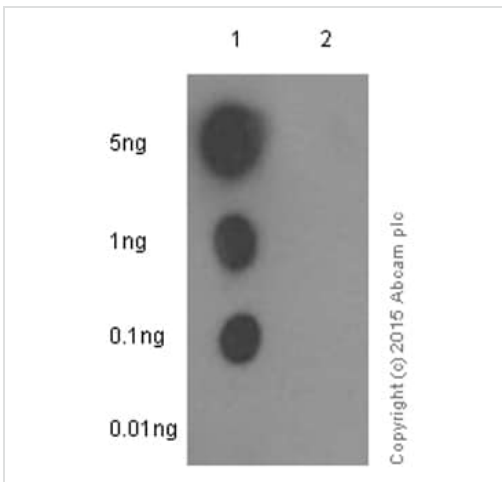
Lane 2 : NIH 3T3 cell lysate, treated with Anisomycin

Lysates/proteins at 10 µg per lane.

Secondary

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

Secondary antibody - goat anti-rabbit HRP (**ab6721**)

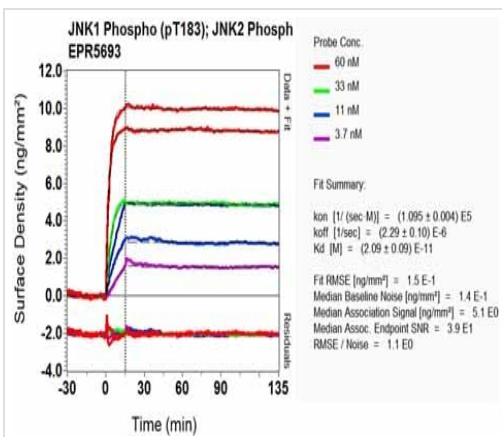


Dot Blot - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

Dot blot analysis of JNK1/2/3 (pT183 + pT183 + pT221) peptide (Lane 1) and JNK1/2/3 non-phospho peptide (Lane 2) labelling JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) with ab124956 at a dilution of 1/1000. **ab97051** (Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/100000.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.



OIR-D Scanning - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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 + JNK2 + JNK3 (phospho

T183+T183+T221) antibody [EPR5693] (ab124956)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors