abcam

Product datasheet

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

リコンビナント RabMAb

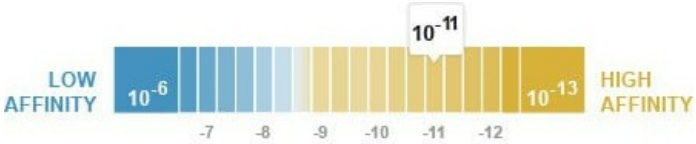
7 Abreviews 207 References 画像数 9

製品の概要

製品名	Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693]
製品の詳細	Rabbit monoclonal [EPR5693] to JNK1 + JNK2 + JNK3 (phospho T183+T183+T221)
由来種	Rabbit
特異性	This antibody will detect will detect JNK1 (pT183), JNK2 (pT183) and JNK3 (pT221).
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF, Dot blot
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Rat
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	NIH 3T3 cell lysates treated with Anisomycin; Human brain tissue. IP: HeLa treated with 25ug/mL anisomycin for 30min whole cell lysate.
特記事項	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**.

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.
解離定数（K_D 値）	$K_D = 2.09 \times 10^{-11}$ M



Learn more about K_D

バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR5693
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ab124956の使用に適用されます

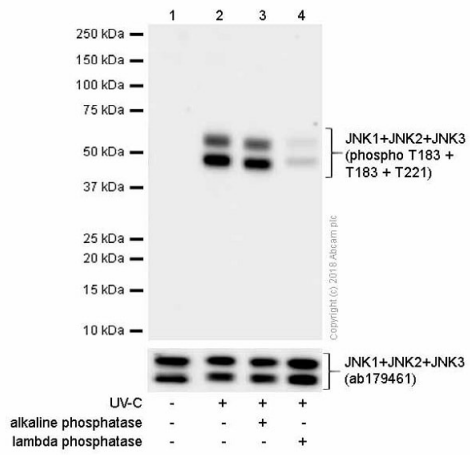
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

細胞内局在	Cytoplasmic, Mitochondrial, Nuclear and Plasma membrane

画像



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)

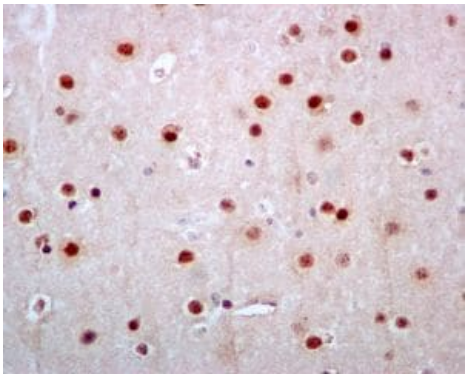
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) Whole cell lysates with 5% NFDM/TBST
Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 20J/m2 UV-C then recovery for 1 hour whole cell lysates with 5% NFDM/TBST
Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) 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

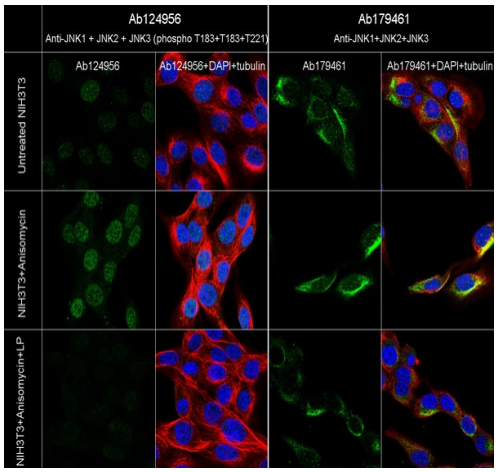
Exposure time: 30 seconds



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.



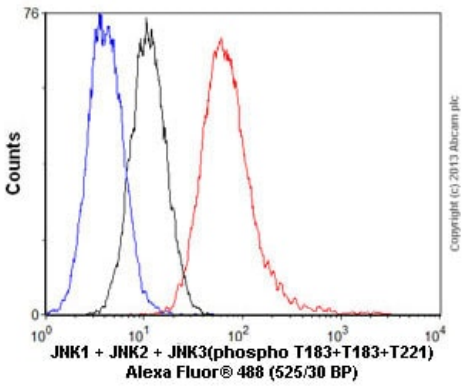
Immunocytochemistry/ Immunofluorescence - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

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.

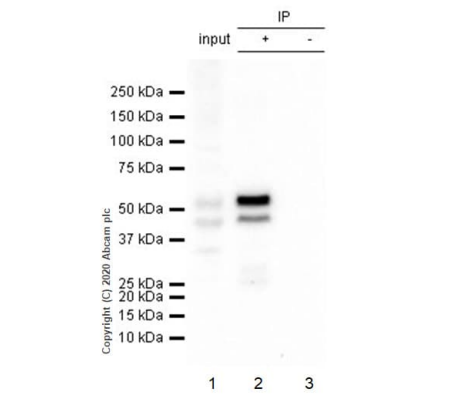
The image shows increased nuclear staining after Anisomycin (250ng/ml, 30min) treatment on NIH3T3 cells. The LP treatment decreased the increased nuclear staining caused by Anisomycin.

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



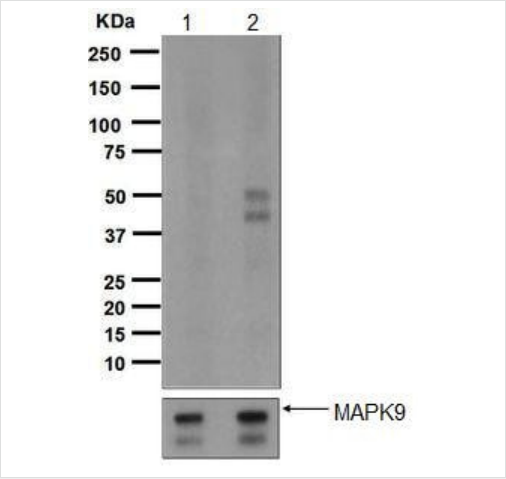
Flow Cytometry (Intracellular) - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

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/1x10^6 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 25ug/mL anisomycin for 30min whole cell lysate.
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) treated with 25ug/mL anisomycin for 30min whole cell lysate 10µg
Lane 2 (+): ab124956 + HeLa treated with 25ug/mL anisomycin for 30min whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab124956 in HeLa treated with 25ug/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

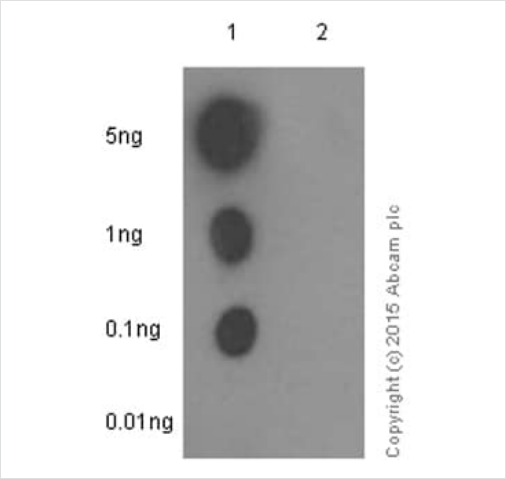
Lane 2 : NIH 3T3 cell lysate, treated with Anisomycin

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**)

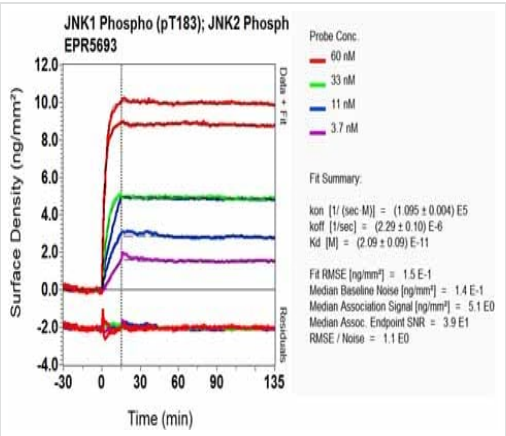


Dot Blot - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] (ab124956)

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.



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

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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

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