abcam

Product datasheet

Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free ab219584

リコンビナント RabMAb

13 References 画像数 7

製品の概要

製品名	Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR5693] to JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) - BSA and Azide free
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	ab219584 is the carrier-free version of **ab124956**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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

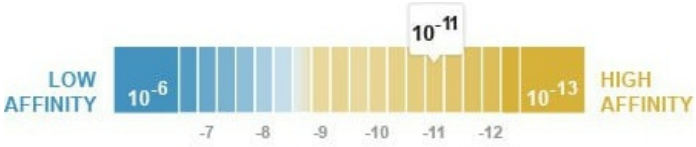
- Animal-free production

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 +4°C. Do Not Freeze.
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 Constituent: PBS
キャリア・フリー	はい
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ab219584の使用に適用されます

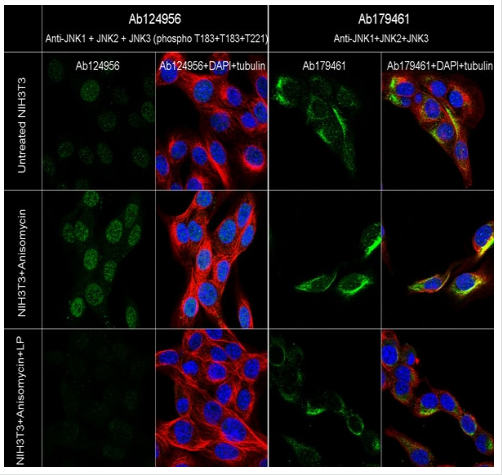
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 46-54 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC/IF		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.

ターゲット情報

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

画像



Immunocytochemistry/ Immunofluorescence - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

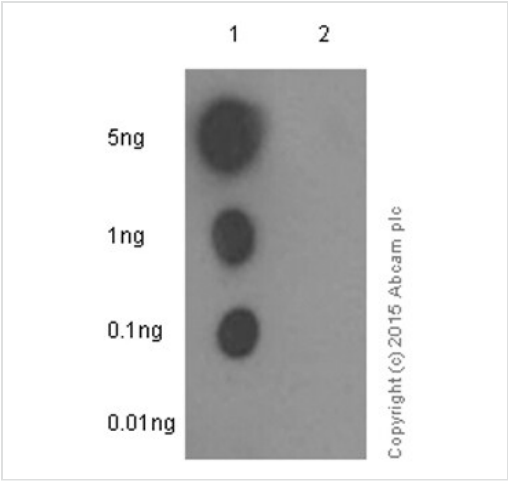
Immunocytochemistry/Immunofluorescence analysis of untreated, Anisomycin treated and Anisomycin + LP treated NIH/3T3 cells labelling JNK1 + JNK2 + JNK3 (phospho T183 + T183 + T221) with **ab124956** at a dilution of 1/100 (left) and JNK1 + JNK2 + JNK3 with **ab179461** at a dilution of 1/250 (right).

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124956**).



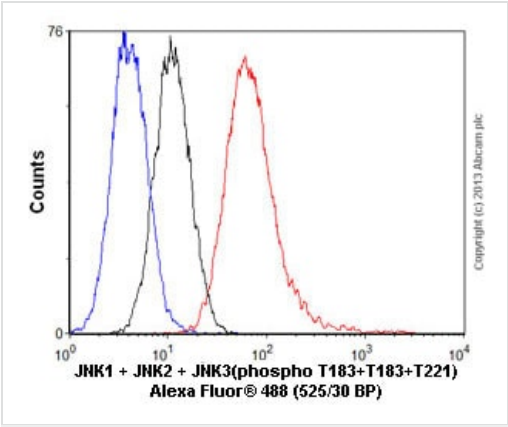
Dot Blot - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

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.

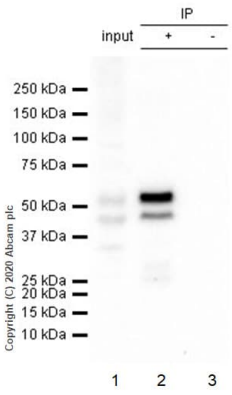
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124956**).



Flow Cytometry (Intracellular) - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

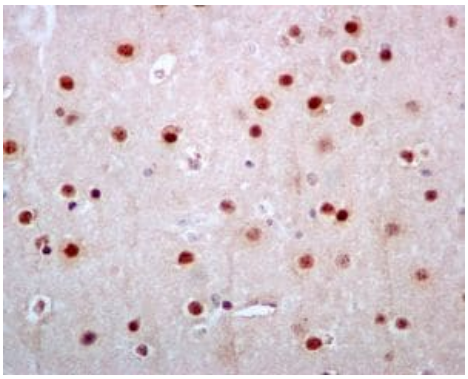
Overlay histogram showing HeLa cells stained with **ab124956** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124956**).



Immunoprecipitation - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

This data was developed using **ab124956**, the same antibody clone in a different buffer formulation.
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

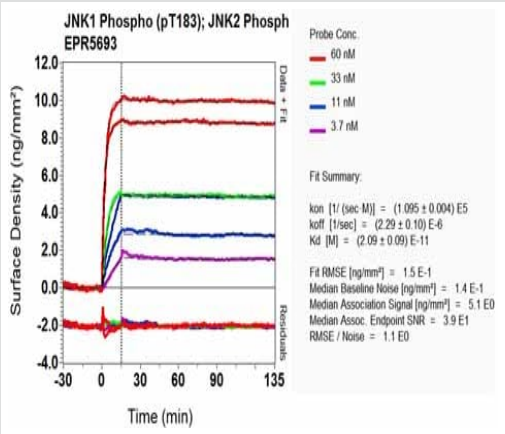


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124956**).

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



OI-RD Scanning - Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

Anti-JNK1 + JNK2 + JNK3 (phospho T183+T183+T221) antibody [EPR5693] - BSA and Azide free (ab219584)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124956**).

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