

For Research Use Only

Phospho-JNK (Thr183) Recombinant monoclonal antibody

Catalog Number: 80435-8-RR



Basic Information

Catalog Number:

80435-8-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_138982

GeneID (NCBI):

5599

UNIPROT ID:

P45983

Full Name:

mitogen-activated protein kinase 8

Calculated MW:

48 kDa

Observed MW:

42 kDa, 50 kDa

Purification Method:

Protein A purification

CloneNo.:

253546C10

Recommended Dilutions:

WB: 1:1000-1:4000

Dot Blot: 1:500-1:2000

Applications

Tested Applications:

WB, Dot Blot, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : UV treated HEK-293 cells, Calyculin A treated HSC-T6 cells

Dot Blot : / / ,

Background Information

MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. Phospho-JNK (Thr183) is the activated form of c-Jun N-terminal kinase (JNK), a MAPK family serine/threonine kinase. Phosphorylation at Thr183 (often with Tyr185) by MKK4/7 activates JNK, regulating cell apoptosis, proliferation and stress responses. (PMID: 40538844)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

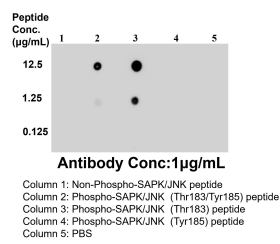
For technical support and original validation data for this product please contact:

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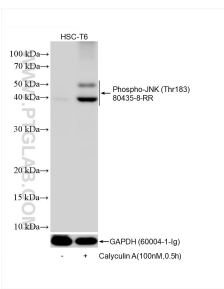
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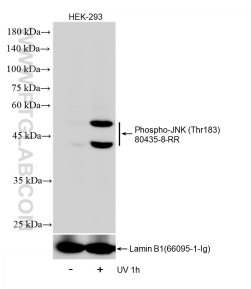
Selected Validation Data



Dot blot analysis was used to confirm the specificity of 80435-8-RR, Phospho-SAPK/JNK (Thr183) antibody. peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide (µg/mL) spotted is indicated next to each row.



Non-treated HSC-T6 cells and Calyculin A treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 80435-8-RR (Phospho-JNK (Thr183) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.



Non-treated HEK-293 cells and UV treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80435-8-RR (Phospho-JNK (Thr183) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control.