For Research Use Only

# Phospho-JNK (Thr183/Tyr185) Recombinant antibody

Catalog Number:80435-3-RR

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## Basic Information

Catalog Number:
80435-3-RR

Concentration:
1000 μg/ml

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:
46 kDa, 54 kDa

Purification Method:
Protein A purification

CloneNo.:
243163F8

Recommended Dilutions:
WB: 1:2000-1:10000

## Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : UV treated HEK-293 cells, UV treated NIH/3T3 cells

## Background Information

MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. The JNK gene generates 10 forms of JNK through alternative splicing, and the protein encoded by the JNK gene has or does not have a COOH terminal, resulting in 46 kDa and 54 kDa proteins. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. The antibody can detect endogenous levels of p46 and p54 SAPK/JNK when phosphorylated at Thr183 and Tyr185. It will also react with JNK singly phosphorylated at Thr183.

## 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

For technical support and original validation data for this product please contact:
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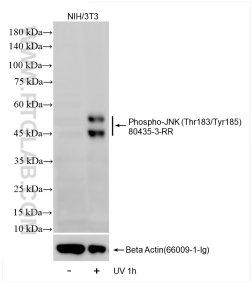
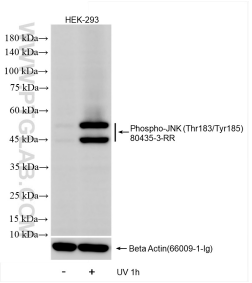
## Selected Validation Data




Non-treated NIH/3T3 cells and UV treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80435-3-RR (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-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 80435-3-RR (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.