For Research Use Only

Phospho-JNK (Thr183/Tyr185) Monoclonal antibody

Catalog Number:60666-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60666-1-Ig

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

Source:
Mouse

Isotype:
IgG2b

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.:
2H8F12

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293 cells, NIH/3T3 cells, HSC-T6 cells, UV treated HEK-293 cells, UV treated NIH/3T3 cells, UV treated HSC-T6 cells, Anisomycin treated HeLa cells

IHC : Jurkat 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.

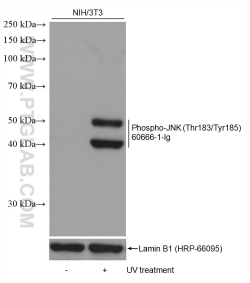
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

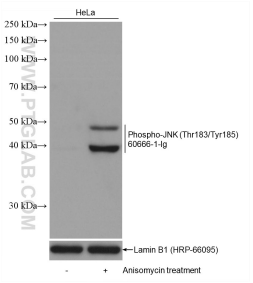
***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

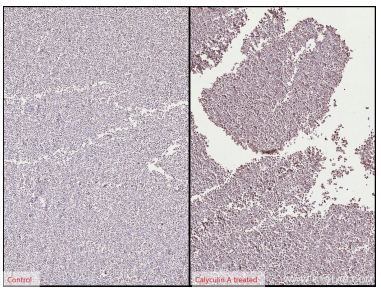
Selected Validation Data



Non-treated and UV treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (HRP-66095) antibody as a loading control.



Non-treated and Anisomycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (HRP-66095) antibody as a loading control.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).