For Research Use Only

JNK Monoclonal antibody, PBS Only

Catalog Number:66210-1-PBS Featured Product

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Basic Information

Catalog Number:
66210-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG21426

GenBank Accession Number:
BC130572

GeneID (NCBI):
5599

UNIPROT ID:
P45983

Full Name:
mitogen-activated protein kinase 8

Calculated MW:
48 kDa

Observed MW:
44-48 kDa, 50-55 kDa

Purification Method:
Protein A purification

CloneNo.:
1A12E1

Applications

Tested Applications:
Indirect ELISA, IHC, WB

Species Specificity:
rat, mouse, human

Background Information

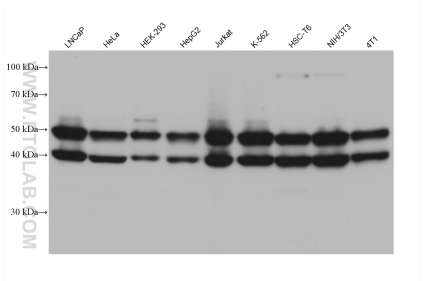
MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has some isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot(PMID:11062067). This antibody can recognize JNK1, JNK2 and JNK3.

Storage

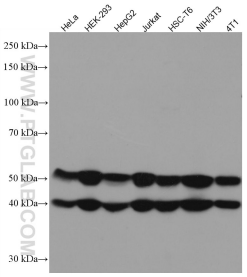
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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



Various lysates were subjected to SDS PAGE followed by western blot with 66210-1-Ig (JNK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66210-1-PBS in a different storage buffer formulation.



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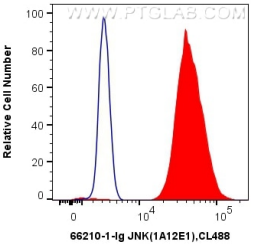
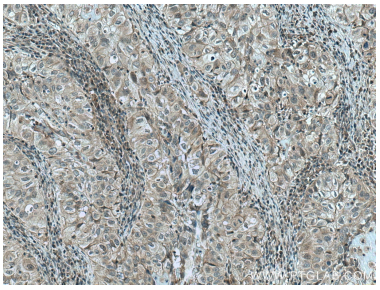
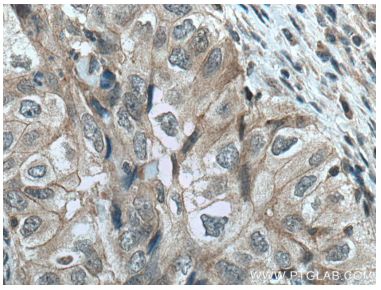


1X10^6 HeLa cells were intracellularly stained with 0.5 ug Anti-Human JNK (66210-1-Ig, Clone:1A12E1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66210-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66210-1-Ig (JNK antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66210-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66210-1-Ig (JNK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66210-1-PBS in a different storage buffer formulation.