

For Research Use Only

JNK Polyclonal antibody

Catalog Number: 10023-1-AP **31 Publications**



Basic Information

Catalog Number: 10023-1-AP	GenBank Accession Number: NM_138982	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5599	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: P45983	IHC 1:50-1:500
Isotype: IgG	Full Name: mitogen-activated protein kinase 8	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG0019	Calculated MW: 48 kDa	
	Observed MW: 40-45 kDa, 50-55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : NIH/3T3 cells, A431 cells, HEK-293 cells, HeLa cells, Jurkat cells, MCF-7 cells, RAW 264.7 cells, RAW264.7, SH-SY5Y cells
Species Specificity: human, mouse, rat	IHC : human prostate cancer tissue, human lung cancer tissue, mouse heart tissue
Cited Species: human, mouse, rat	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 4 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhaohai Wen	36238295	Front Immunol	WB
Jie Yin	30230594	J Pineal Res	WB
Dan-Dan Lin	31572671	Front Oncol	

Storage

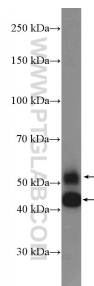
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

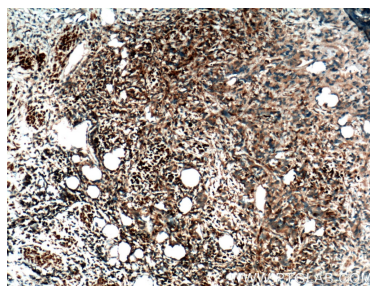
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

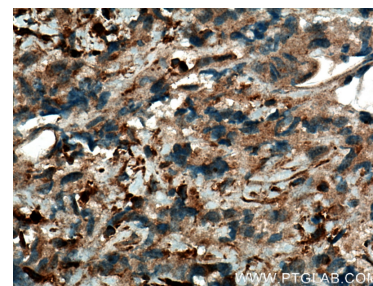
Selected Validation Data



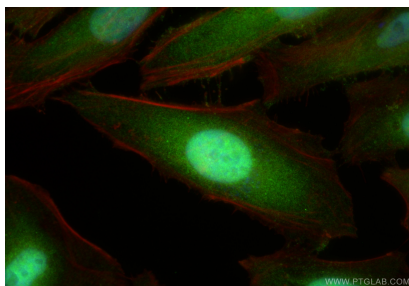
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10023-1-AP (JNK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10023-1-AP (JNK Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10023-1-AP (JNK Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using JNK antibody (10023-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).