

For Research Use Only

JNK Polyclonal antibody

Catalog Number: 51153-1-AP **11 Publications**



Basic Information

Catalog Number: 51153-1-AP	GenBank Accession Number: BC032539	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5601	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P45984	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: mitogen-activated protein kinase 9	IHC 1:250-1:1000
Immunogen Catalog Number: AG1442	Calculated MW: 424 aa, 48 kDa	
	Observed MW: 44-55 kDa	

Applications

Tested Applications: WB, IHC, IP, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : HeLa cells, A549 cells, COS-7 cells, NIH/3T3 cells
Species Specificity: human, mouse, rat, monkey	IP : HeLa cells,
Cited Species: human, mouse, rat, rabbit	IHC : human intrahepatic cholangiocarcinoma tissue,
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

c-Jun N-terminal kinases (JNKs), first characterized as stress-activated members of the mitogen-activated protein kinase (MAPK) family, have shown their critical roles in the development of a number of cellular progress and diseases, including proliferation, embryonic development, apoptosis, diabetes, neurodegeneration and liver disease (PMID: 19900593). JNK1, JNK2, JNK3 also name as MAPK8, MAPK9, MAPK10, JNK1 and JNK2 are ubiquitously expressed, but JNK3 is expressed primarily in the brain (PMID: 27698029). This antibody can recognize JNK1, JNK2 and JNK3, we get bands around 44-55 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Liyan Chen	29146495	Microb Pathog	WB
Peiyuan Zhang	32427938	Nat Commun	WB
Xuehua Sun	35842555	Neurochem Res	WB

Storage

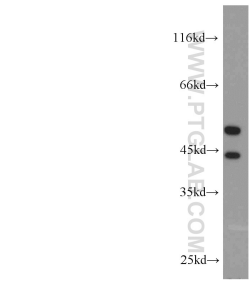
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

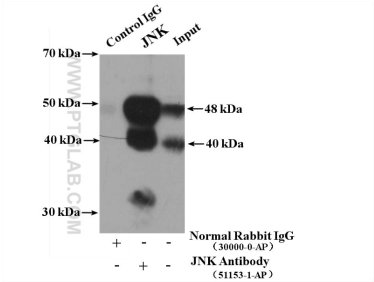
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

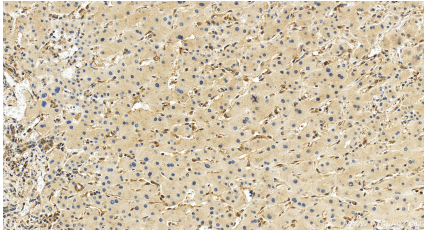
Selected Validation Data



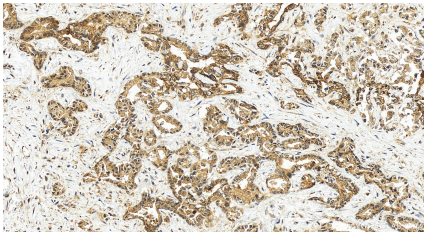
HeLa cells were subjected to SDS PAGE followed by western blot with 51153-1-AP (JNK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-JNK (IP:51153-1-AP, 4ug; Detection:51153-1-AP 1:1000) with HeLa cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 51153-1-AP (JNK antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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