

For Research Use Only

# JNK Polyclonal antibody

Catalog Number: 51153-1-AP 11 Publications



## Basic Information

### Catalog Number:

51153-1-AP

### Concentration:

850 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1442

### GenBank Accession Number:

BC032539

### GeneID (NCBI):

5601

### UNIPROT ID:

P45984

### Full Name:

mitogen-activated protein kinase 9

### Calculated MW:

424 aa, 48 kDa

### Observed MW:

44-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat, monkey

### Cited Species:

human, mouse, rat, rabbit

### Positive Controls:

WB : HeLa cells, A549 cells, COS-7 cells, NIH/3T3 cells

IP : HeLa cells,

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

For technical support and original validation data for this product please contact:

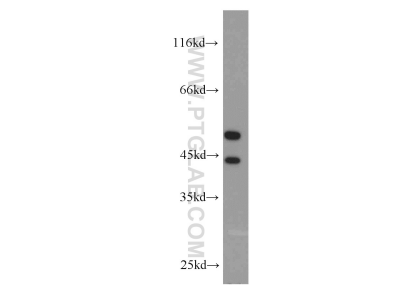
T: 4006900926

E: Proteintech-CN@ptglab.com

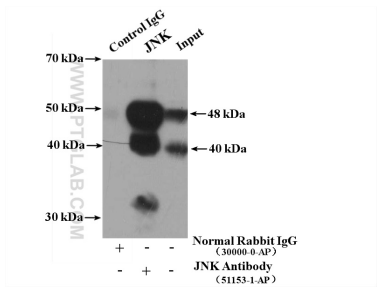
W: ptgcn.com

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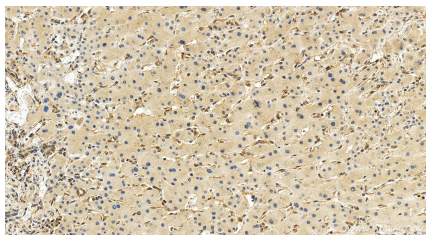
Selected Validation Data



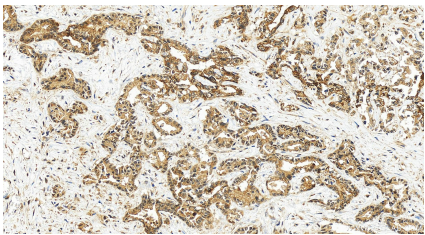
HeLa cells were subjected to SDS PAGE followed by western blot with 51153-1-AP (JNK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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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