

For Research Use Only

# JNK Polyclonal antibody

Catalog Number: 17572-1-AP

Featured Product

20 Publications



## Basic Information

**Catalog Number:**

17572-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11785

**GenBank Accession Number:**

BC065516

**GeneID (NCBI):**

5602

**UNIPROT ID:**

P53779

**Full Name:**

mitogen-activated protein kinase 10

**Calculated MW:**

464 aa, 53 kDa

**Observed MW:**

45-48 kDa, 54-57 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse, pig

**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:** mouse brain tissue, mouse cerebellum tissue, rat brain tissue

**IHC:** human liver tissue,

**IF:** HepG2 cells,

## Background Information

JNK, also named MAPK10 (mitogen-activated protein kinase 10), belongs to MAP kinase family. MAP kinases act as integration points for multiple biochemical signals, and thus are involved in a wide variety of cellular processes, such as proliferation, differentiation, transcription regulation and development. This kinase is mainly expressed in a subset of neurons in the nervous system, and is activated by threonine and tyrosine phosphorylation. JNK has 3 isoforms of 48-53 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuan-Jian Song	30412737	Behav Brain Res	WB
Xiaochun Yang	25044439	Anat Rec (Hoboken)	WB
Ya-Sai Sun	32092821	Biomed Pharmacother	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:

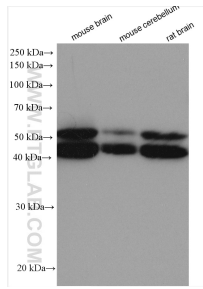
T: 4006900926

E: Proteintech-CN@ptglab.com

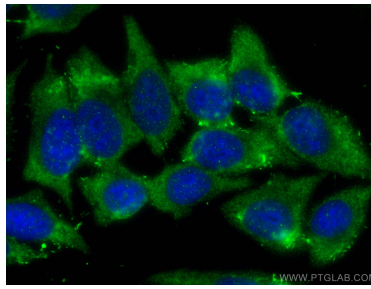
W: ptgcn.com

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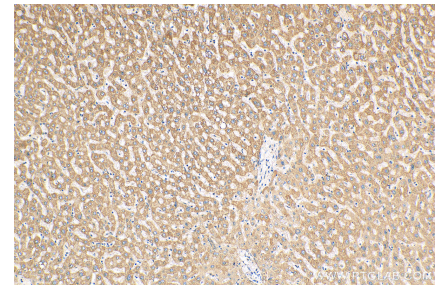
## Selected Validation Data



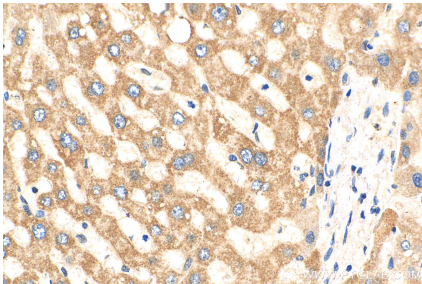
Various lysates were subjected to SDS PAGE followed by western blot with 17572-1-AP (MAPK10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using JNK antibody (17572-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17572-1-AP (MAPK10 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 liver tissue slide using 17572-1-AP (MAPK10 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).