

For Research Use Only

JNK Polyclonal antibody

Catalog Number: 17572-1-AP

Featured Product

31 Publications



Basic Information

Catalog Number:

17572-1-AP

Concentration:

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/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, 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/ICC : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

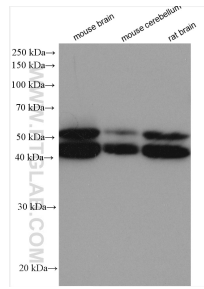
T: 4006900926

E: Proteintech-CN@ptglab.com

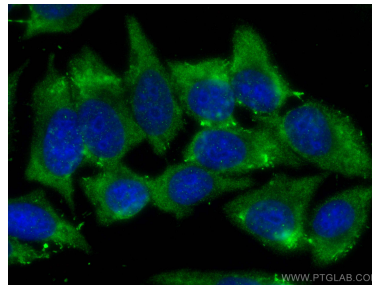
W: ptgcn.com

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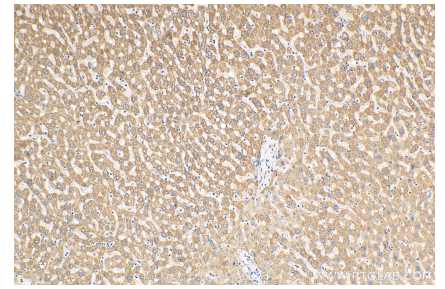
Selected Validation Data



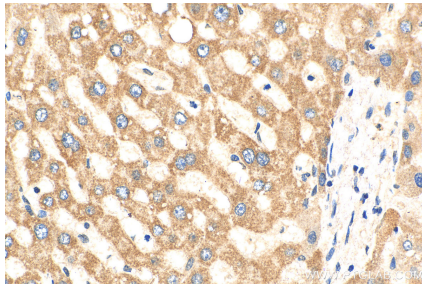
Various lysates were subjected to SDS PAGE followed by western blot with 17572-1-AP (MAPK10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using JNK antibody (17572-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated 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).