

For Research Use Only

# JNK Polyclonal antibody

Catalog Number: 28007-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 28007-1-AP	<b>GenBank Accession Number:</b> BC065516	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 5602	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P53779	
<b>Isotype:</b> IgG	<b>Full Name:</b> mitogen-activated protein kinase 10	
<b>Immunogen Catalog Number:</b> AG27823	<b>Calculated MW:</b> 464 aa, 53 kDa	
	<b>Observed MW:</b> 45-48 kDa, 54-57 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> Neuro-2a cells, MDCK cells, mouse brain tissue, mouse cerebellum tissue
<b>Species Specificity:</b> Human, Mouse, canine	<b>IHC:</b> mouse brain tissue, mouse cerebellum tissue
<b>Cited Species:</b> human, mouse, rat	

**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

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
Jun Pei	39862509	Sci Total Environ	WB
Xingyu Pan	39442187	Int Immunopharmacol	WB
Yu-Wei Luo	39138195	Nat Commun	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:

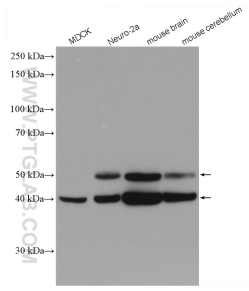
T: 4006900926

E: Proteintech-CN@ptglab.com

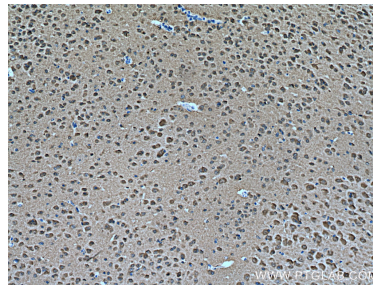
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28007-1-AP (JNK1/2/3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28007-1-AP (JNK1/2/3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).