

For Research Use Only

MAPK11 Polyclonal antibody

Catalog Number: 17376-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 17376-1-AP	GenBank Accession Number: BC027933	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5600	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q15759	
Isotype: IgG	Full Name: mitogen-activated protein kinase 11	
Immunogen Catalog Number: AG11184	Calculated MW: 364 aa, 41 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
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

Positive Controls:

WB: Jurkat cells, human heart tissue, mouse skeletal muscle tissue

IHC: human brain tissue,

IF/ICC: HEK-293 cells,

Background Information

MAPK11 (Mitogen-activated protein kinase 11) is also named as PRKM11, SAPK2, SAPK2B, p38b and belongs to the MAP kinase subfamily. It is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as proinflammatory cytokines or physical stress leading to direct activation of transcription factors. In mouse brain, both p38a and p38b are present in neurons, while p38b is also expressed in glial cells (PMID:15748168).

Notable Publications

Author	Pubmed ID	Journal	Application
Shuman Wang	34814904	BMC Endocr Disord	WB
Hai-Yun Wu	28202578	Mol Pharmacol	WB
Yiru Wang	35265208	Theranostics	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

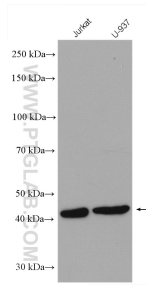
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

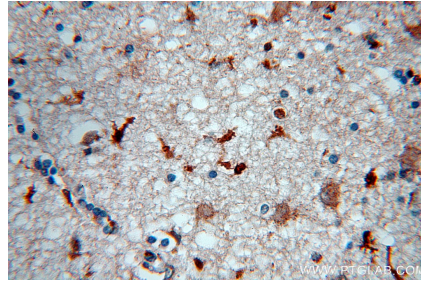
E: proteintech@ptglab.com
W: ptglab.com

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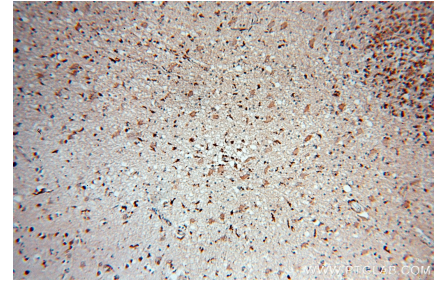
Selected Validation Data



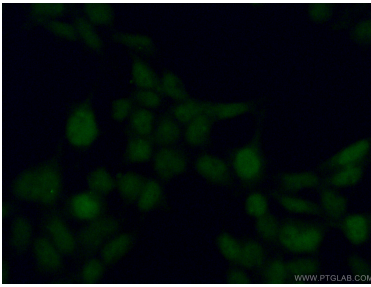
Various lysates were subjected to SDS PAGE followed by western blot with 17376-1-AP (MAPK11 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17376-1-AP (MAPK11 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17376-1-AP (MAPK11 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using 17376-1-AP (MAPK11 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).