

# MAPK11 Polyclonal antibody

Catalog Number: 17376-1-AP

Featured Product

5 Publications

## Basic Information

## Catalog Number:

17376-1-AP

## Size:

450 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG11184

## GenBank Accession Number:

BC027933

## GeneID (NCBI):

5600

## UNIPROT ID:

Q15759

## Full Name:

mitogen-activated protein kinase 11

## Calculated MW:

364 aa, 41 kDa

## Observed MW:

42 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IHC, WB, 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

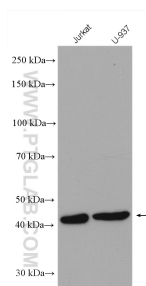
For technical support and original validation data for this product please contact:

T: 4006900926

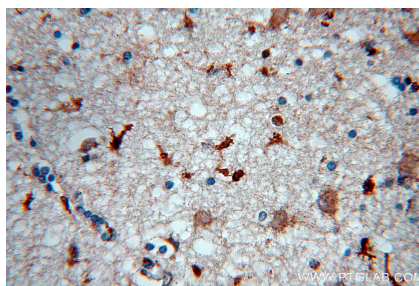
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

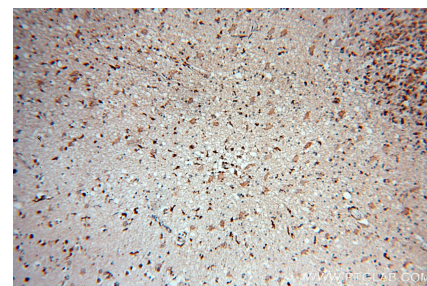
## Selected Validation Data



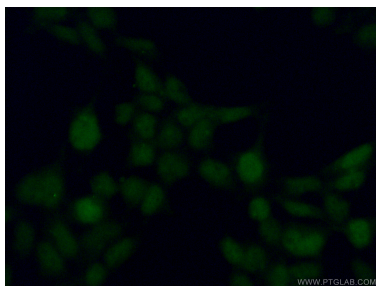
Various lysates were subjected to SDS PAGE followed by western blot with 17376-1-AP (MAPK11 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).