

For Research Use Only

# MPP2 Polyclonal antibody

Catalog Number: 13589-1-AP



## Basic Information

### Catalog Number:

13589-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4223

### GenBank Accession Number:

BC030287

### GeneID (NCBI):

4355

### UNIPROT ID:

Q14168

### Full Name:

membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)

### Calculated MW:

576 aa, 65 kDa

### Observed MW:

65 kDa, 60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:5000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Species Specificity:

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 : mouse eye tissue, mouse retina tissue

IP : mouse eye tissue,

IHC : mouse brain tissue,

## Background Information

Membrane protein palmitoylated 2 (MPP2) is a member of the membrane-associated guanylate kinase (MAGUK) family. MPPs can form diverse protein complexes at the cell membranes and play an important role in cell structure, polarity and cell adhesion. MPP2 is a novel postsynaptic scaffold protein that binds to the synaptic cell adhesion molecule SynCAM1. MPP2 also is a component of AMPA receptor-associated protein complexes.

## 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

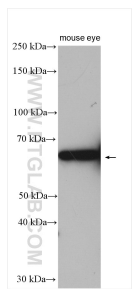
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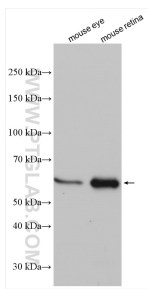
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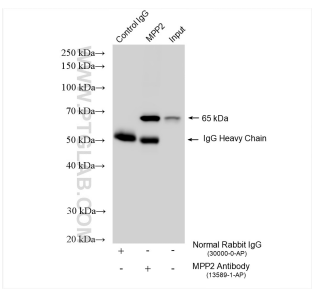
Selected Validation Data



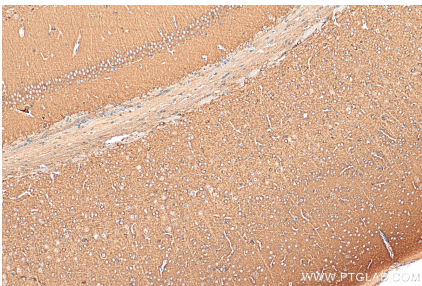
mouse eye tissue were subjected to SDS PAGE followed by western blot with 13589-1-AP (MPP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



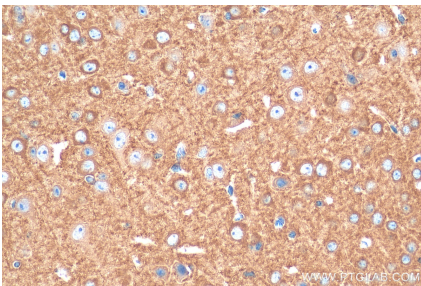
Various lysates were subjected to SDS PAGE followed by western blot with 13589-1-AP (MPP2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-MPP2 (IP:13589-1-AP, 4ug; Detection:13589-1-AP 1:2000) with mouse eye tissue lysate 2260 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13589-1-AP (MPP2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13589-1-AP (MPP2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).