

For Research Use Only

# MPP5 Polyclonal antibody

Catalog Number: 17710-1-AP

Featured Product

25 Publications



## Basic Information

**Catalog Number:**

17710-1-AP

**Size:**

500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12010

**GenBank Accession Number:**

BC095485

**GeneID (NCBI):**

64398

**UNIPROT ID:**

Q8N3R9

**Full Name:**

membrane protein, palmitoylated 5  
(MAGUK p55 subfamily member 5)

**Calculated MW:**

675 aa, 77 kDa

**Observed MW:**

70-80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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:** DU 145 cells, human brain tissue, Y79 cells, HeLa cells

**IP:** mouse brain tissue,

**IHC:** mouse brain tissue,

**IF/ICC:** HEK-293 cells,

## Background Information

MPP5, also named as PALS1, belongs to the MAGUK family which interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. MPP5 is thought to organize intracellular PALS1-CRB-MUFP1 protein scaffolds in the retina that are involved in maintenance of photoreceptor-Müller glia cell adhesion. MPP5 plays a role in tight junctions biogenesis and in the establishment of cell polarity in epithelial cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Divya Jayaraman	27974163	Neuron	IF
Ying Hsu	29049287	PLoS Genet	IF
Lucinda J Hughes	31586559	Dev Biol	WB,IF

## 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:

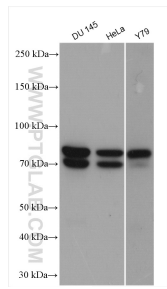
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

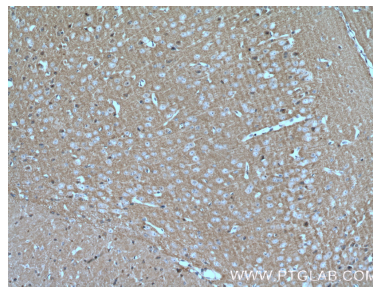
W: [ptgcn.com](http://ptgcn.com)

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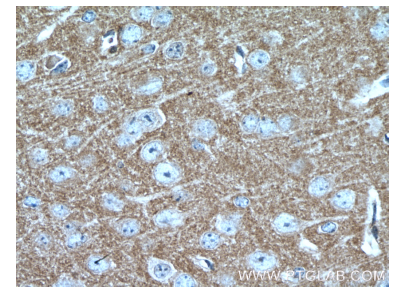
## Selected Validation Data



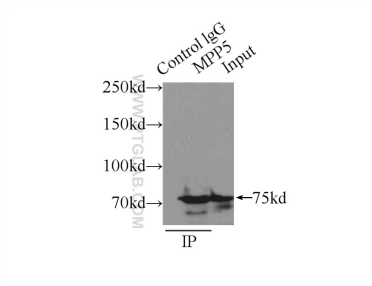
Various lysates were subjected to SDS PAGE followed by western blot with 17710-1-AP (MPP5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



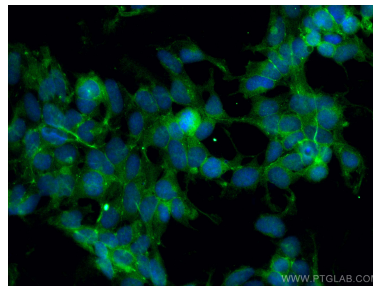
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17710-1-AP (MPP5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17710-1-AP (MPP5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MPP5 (IP:17710-1-AP, 3ug; Detection:17710-1-AP 1:1000) with mouse brain tissue lysate 8000ug.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using MPP5 antibody (17710-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).