

For Research Use Only

MPP5 Polyclonal antibody

Catalog Number: 17710-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number:

17710-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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-MUPP1 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

*** 20ul sizes contain 0.1% BSA

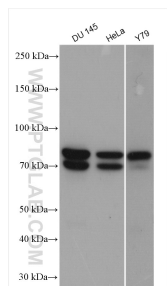
For technical support and original validation data for this product please contact:

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

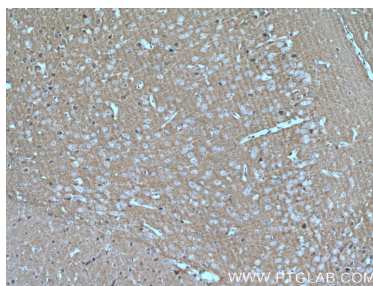
E: proteintech@ptglab.com
W: ptglab.com

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

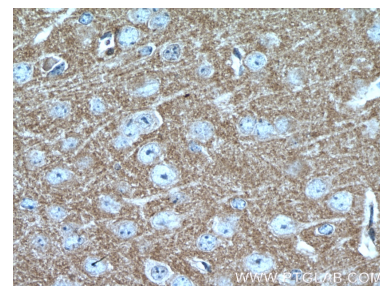
Selected Validation Data



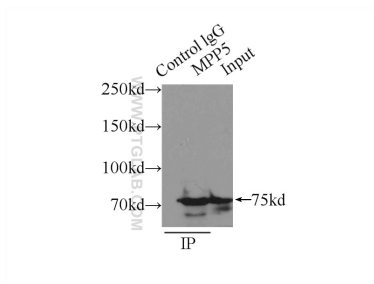
Various lysates were subjected to SDS PAGE followed by western blot with 17710-1-AP (MPP5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



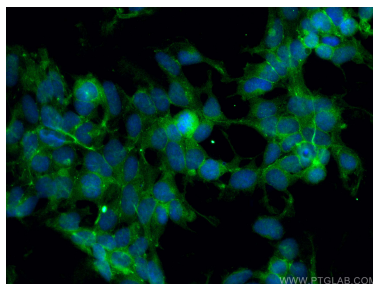
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17710-1-AP (MPP5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2).