

For Research Use Only

MPP5 Polyclonal ANTIBODY



Catalog Number: 17710-1-AP

Featured Product

12 Publications

Basic Information

Catalog Number:

17710-1-AP

Size:

150UL, Concentration: 180 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12010

GenBank Accession Number:

BC095485

GeneID (NCBI):

64398

Full Name:

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

Calculated MW:

675 aa, 77 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB: Y79 cells, human brain tissue

IP: mouse brain tissue,

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

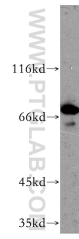
For technical support and original validation data for this product please contact:

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

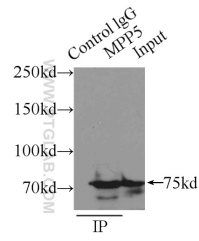
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 17710-1-AP (MPP5 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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