

Rabbit MPP5 Polyclonal Antibody | anti-MPP5 antibody

MPP5 Antibody

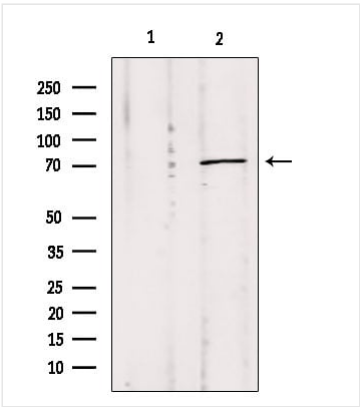
CATALOG # AAA322885	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

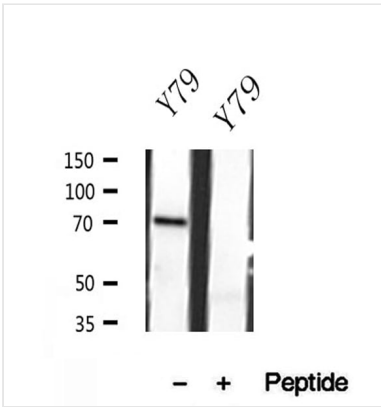
MPP5; Polyclonal Antibody; MPP5 Antibody; FLJ12615; MAGUK p55 subfamily member 5; Membrane protein palmitoylated 5; MPP 5; MPP5_HUMAN; PALS 1; PALS1; Protein associated with Lin-7; Stardust (Drosophila); Stardust; anti-MPP5 antibody

PRODUCT SPECIFICATIONS

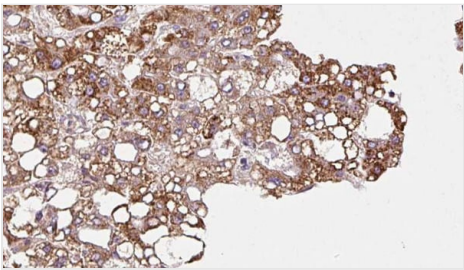
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MPP5 antibody detects endogenous levels of MPP5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	641
Applicable Applications for anti-MPP5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MPP5.
Subcellular Location	Cell Membrane. Endomembrane system. Cell Junction > Tight Junction. Localized to the tight junctions of epithelial cells and a subset of intracellular vesicles. In the retina, detected at the outer limiting membrane (OLM), apical to the adherens junction (AJ), where it colocalizes with CRB1. Colocalizes with MPP1 in the retina at the outer limiting membrane (OLM). Localized to the Purkinje cell body and axon.
Tissue Specificity	Expressed in the retina (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Mouse Myeloma cell, using MPP5 antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of extracts of Y79 cells, using MPP5 antibody.



IHC (Immunohistochemistry)
AAA322885 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MPP5 antibody

Function: May play a role in tight junctions biogenesis and in the establishment of cell polarity in epithelial cells. May modulate SC6A1/GAT1-mediated GABA uptake by stabilizing the transporter. Required for localization of EZR to the apical membrane of parietal cells and may play a role in the dynamic remodeling of the apical cytoskeleton (By similarity).

Subunit Structure: Interacts with CRB3, LIN7C and MPDZ. Interacts with PATJ, PARD6B, SC6A1 and EZR (By similarity). Forms a complex with CRB1 and MPP4. Component of a complex whose core is composed of ARHGAP17, AMOT, MPP5/PALS1, PATJ and PARD3/PAR3. Heterodimer with MPP1. Interacts with MPP7.

Similarity: The L27 domain 1 functions in targeting to the tight junctions by binding to PATJ. The PDZ domain binds to the C-terminus of SC6A1. Belongs to the MAGUK family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375065852
NCBI GeneID	64398
NCBI Accession #	NP_001243479.1
NCBI GenBank Nucleotide #	NM_001256550.1
UniProt Accession #	Q8N3R9; Q7Z631; Q86T98; Q8N7I5; Q9H9Q0; A1L380
Molecular Weight	Observed: 70-75 kD Predicted: 78 kDa
NCBI Official Full Name	MAGUK p55 subfamily member 5 isoform 2
NCBI Official Synonym Full Names	membrane palmitoylated protein 5

NCBI Official Symbol	MPP5
NCBI Official Synonym Symbols	PALS1
NCBI Protein Information	MAGUK p55 subfamily member 5
UniProt Protein Name	MAGUK p55 subfamily member 5
UniProt Gene Name	MPP5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mpp5-antibody-immunohistochemistry-western-blot-elisa/322885>