Datasheet for ABIN7602572

anti-MPP5 antibody (AA 86-386)

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Overview

Quantity:	100 µg
Target:	MPP5
Binding Specificity:	AA 86-386
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MPP5/PALS1 Antibody Picoband®
Immunogen:	E.coli-derived human MPP5/PALS1 recombinant protein (Position: R86-D386). Human MPP5/PALS1 shares 95.7% and 96.7% amino acid (aa) sequence identity with mouse and rat MPP5/PALS1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-MPP5/PALS1 Antibody Picoband® (ABIN7602572). Tested in WB, IHC, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing

Product Details

	antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MPP5
Alternative Name:	PALS1 (MPP5 Products)
Background:	Synonyms: Protein PALS1, Protein associated with Lin-7 1, PALS1, Membrane protein, palmitoylated 5, MAGUK p55 subfamily member 5 Background: This gene encodes a member of the p55-like subfamily of the membrane-associated guanylate kinase (MAGUK) gene superfamily. The encoded protein participates in the polarization of differentiating cells, has been shown to regulate myelinating Schwann cells (PMID: 20237282), and is one of the components of the Crumbs complex in the retina. Mice which express lower levels of the orthologous protein have retinal degeneration and impaired vision (PMID: 22114289). Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	80 kDa
Gene ID:	64398
UniProt:	Q8N3R9
Pathways:	Nucleotide Phosphorylation, Tube Formation, Asymmetric Protein Localization

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Immunoprecipitation, 2-4 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Kamberov, E., Makarova, O., Roh, M., Liu, A., Karnak, D., Straight, S., Margolis, B. Molecular cloning and characterization of Pals, proteins associated with mLin-7. J. Biol. Chem. 275: 11425-11431, 2000. 2. Roh, M. H., Makarova, O., Liu, C.-J., Shin, K., Lee, S., Laurinec, S., Goyal, M., Wiggins, R., Margolis, B. The Maguk protein, Pals1, functions as an adapter, linking mammalian homologues of Crumbs and Discs Lost. J. Cell Biol. 157: 161-172, 2002. 3. Tseng, T.-C., Marfatia, S. M., Bryant, P. J., Pack, S., Zhuang, A., O'Brien, J. E., Lin, L., Hanada, T., Chishti,

Application Details

	A. H. VAM-1: a new member of the MAGUK family binds to human Veli-1 through a conserved domain. Biochim. Biophys. Acta 1518: 249-259, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.