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MPP7 Rabbit pAb

Catalog # AP99595

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q5T2T1
Other Accession	Q5T2T1
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65524
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MPP7
Epitope Specificity	301-400/576
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The MAGUK (membrane-associated guanylate kinase homologs) family of proteins contain multiple protein-binding domains and are involved in cell junction organization, tumor suppression, and signaling. The MAGUK family is divided into four subfamilies: DLG-like, ZO1-like, p55-like and LIN2-like. MPP7 (MAGUK p55 subfamily member 7), also known as palmitoylated membrane protein 7, is a 576 amino acid protein that belongs to the MAGUK family and assists in the assembly of protein complexes. A peripheral membrane protein that exists as a heterodimer, MPP7 enhances tight junction formation and epithelial cell polarity. MPP7 contains one SH3 domain, a guanylate kinase-like domain, two L27 domains and a single PDZ (DHR) domain. The gene encoding MPP7 maps to human chromosome 10p11.23

Additional Information

Gene ID	143098
Other Names	1110068J02Rik; 2810038M04Rik; 5430426E14Rik; Gm955; MPP7_HUMAN; MPP7; MPP7_MOUSE; MPP7_RAT; MAGUK p55 scaffold protein 7; membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7); membrane protein, palmitoylated 7; membrane palmitoylated protein 7
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MPP7
Function	Acts as an important adapter that promotes epithelial cell polarity and tight junction formation via its interaction with DLG1. Involved in the assembly of protein complexes at sites of cell-cell contact.
Cellular Location	Membrane; Peripheral membrane protein. Lateral cell membrane; Peripheral membrane protein. Cell junction, tight junction Cell junction, adherens junction. Cytoplasm, cell cortex. Cytoplasm Note=In epidermal cells, detected primarily at the lateral cell membrane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.