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MPP3 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13068b

Specification

MPP3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q13368

MPP3 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 4356

Other Names
MAGUK p55 subfamily member 3, Discs large homolog 3, Protein MPP3, MPP3, DLG3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MPP3 Antibody (C-term) Blocking peptide - Protein Information

Name MPP3 {ECO:0000303|PubMed:16519681, ECO:0000312|HGNC:HGNC:7221}

Function
Participates in cell spreading through the phosphoinositide- 3-kinase (PI3K) pathway by connecting CADM1 to DLG1 and the regulatory subunit of phosphoinositide-3-kinase (PI3K) (PubMed:24503895). Stabilizes HTR2C at the plasma membrane and prevents its desensitization. May participates in the maintenance of adherens junctions (By similarity).

Cellular Location
Cell membrane. Apical cell membrane. Cell junction, adherens junction. Note=Localized in apical villi of Mueller glia cells (By similarity). Localized at the apical membrane in the developing cortex and colocalized with apical proteins and adherens junction proteins (By similarity). Localized at the outer limiting membrane (OLM), and outer plexiform (OPL) of retina (PubMed:16519681). {ECO:0000250|UniProtKB:O88910, ECO:0000269|PubMed:16519681}

Tissue Location
Expressed in retina (at protein level) at the subapical region (SAR) adjacent to adherens junctions at the OLM, and at the OPL.

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MPP3 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

MPP3 Antibody (C-term) Blocking peptide - Images

MPP3 Antibody (C-term) Blocking peptide - Background

This gene product is a member of a family ofmembrane-associated proteins termed MAGUKs (membrane-associatedguanylate kinase homologs). MAGUKs interact with the cytoskeletonand regulate cell proliferation, signaling pathways, andintracellular junctions. This protein contains a conservedsequence, called the SH3 (src homology 3) motif, found in severalother proteins that associate with the cytoskeleton and aresuspected to play important roles in signal transduction.Alternatively spliced transcript variants have been identified. Onetranscript variant is experimentally supported, but it doesn'tencode a protein.

MPP3 Antibody (C-term) Blocking peptide - References

Qin, L., et al. Zhonghua Gan Zang Bing Za Zhi 15(7):509-512(2007)Kantardzhieva, A., et al. FEBS J. 273(6):1152-1165(2006)Stelzl, U., et al. Cell 122(6):957-968(2005)Fukuhara, H., et al. Oncogene 22(40):6160-6165(2003)Shin, B.K., et al. J. Biol. Chem. 278(9):7607-7616(2003)