

MPP3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13068b**Specification**

MPP3 Antibody (C-term) Blocking peptide - Product InformationPrimary 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.

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 of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. This protein contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. Alternatively spliced transcript variants have been identified. One transcript variant is experimentally supported, but it doesn't encode 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)