

MPP4 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5137c**Specification**

MPP4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q96JB8](#)

MPP4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 58538

Other Names

MAGUK p55 subfamily member 4, Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 5 protein, Discs large homolog 6, MPP4, ALS2CR5, DLG6

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.

MPP4 Antibody (Center) Blocking Peptide - Protein Information

Name MPP4

Synonyms ALS2CR5, DLG6

Function

May play a role in retinal photoreceptors development.

Cellular Location

Cytoplasm. Note=Detected at the outer limiting membrane (OLM) and in the outer plexiform layer (OPL) of the retina. At the OLM, detected apical to the adherens junction (AJ)

Tissue Location

Expressed in the retina (at protein level). Highly expressed in the retina. Lower amounts are detected in brain, testis, ARPE-19, RPE/choroid and fetal eye. Isoform 5 is retina-specific

MPP4 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MPP4 Antibody (Center) Blocking Peptide - Images**MPP4 Antibody (Center) Blocking Peptide - Background**

MPP4 encodes a member of the membrane-associated guanylate kinase (MAGUK) protein family, with an N-terminal PDZ domain, a central src homology 3 region (SH3), and a C-terminal guanylate kinase-like (GUK) domain. The protein is localized to the outer limiting membrane in the retina, and is thought to function in photoreceptor polarity and the organization of specialized intercellular junctions.

MPP4 Antibody (Center) Blocking Peptide - References

Voss, M., et al. BMC Immunol. 10, 53 (2009) Kantardzhieva, A., et al. Invest. Ophthalmol. Vis. Sci. 46(6):2192-2201(2005)Stohr, H., et al. J. Comp. Neurol. 481(1):31-41(2005)