



## MPP4 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP5137c

# **Specification**

MPP4 Antibody (Center) Blocking Peptide -**Product Information** 

**Primary Accession Q96|B8** 

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**

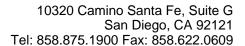
Cytoplasm. Note=Detected at the outer

# MPP4 Antibody (Center) Blocking Peptide - Background

MPP4 encodes a member of the membrane-associated quanylate 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)





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