

**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

**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)

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](#)