



## Rabbit Anti-MPP4 antibody

SL15379R

<b>Product Name:</b>	MPP4
<b>Chinese Name:</b>	MPP4蛋白抗体
<b>Alias:</b>	MAGUK p55 subfamily member 4; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 5 protein; Discs large homolog 6; MPP4_HUMAN; ALS2CR5; DLG6; DLG6; Membrane palmitoylated protein 4; Membrane protein, palmitoylated 4 (MAGUK p55 subfamily member 4); OTTHUMP00000205933; OTTHUMP00000209441; OTTHUMP00000209442; OTTHUMP00000209443.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	73kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MPP4:331-430/637
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene 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. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008].

**Function:**

May play a role in retinal photoreceptors development (By similarity).

**Subunit:**

Interacts with MPDZ. May interact with GRIA2 (By similarity). Forms a complex with CRB1 and MPP5. Interacts with FASLG.

**Subcellular 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 Specificity:**

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.

**Similarity:**

Belongs to the MAGUK family.  
Contains 1 guanylate kinase-like domain.  
Contains 2 L27 domains.  
Contains 1 PDZ (DHR) domain.  
Contains 1 SH3 domain.

**SWISS:**

Q96JB8

**Gene ID:**

58538

**Database links:**

[Entrez Gene: 58538](#)Human

[Entrez Gene: 227157](#)Mouse

[Entrez Gene: 58808](#)Rat

[Omim: 606575](#)Human

[SwissProt: Q96JB8](#)Human

[SwissProt: Q6P7F1](#)Mouse

[SwissProt: Q9QYH1](#)Rat

[Unigene: 63085](#)Human

[Unigene: 474049](#)Mouse

[Unigene: 163075](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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