

**Anti-MPP2 Picoband Antibody**  
**Catalog # ABO11697****Specification**

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**Anti-MPP2 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q14168</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for MAGUK p55 subfamily member 2(MPP2) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-MPP2 Picoband Antibody - Additional Information**

**Gene ID** 4355

**Other Names**

MAGUK p55 subfamily member 2, Discs large homolog 2, Protein MPP2, MPP2, DLG2

**Calculated MW**

64581 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Protein Name**

MAGUK p55 subfamily member 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E. coli-derived human MPP2 recombinant protein (Position: R387-Y576). Human MPP2 shares 96.8% amino acid (aa) sequence identity with mouse MPP2.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

**At -20°C for one year. After r°Constitution,  
at 4°C for one month. It°Can also be**

aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

## Anti-MPP2 Picoband Antibody - Protein Information

**Name** MPP2 ([HGNC:7220](#))

**Synonyms** DLG2

### Function

Postsynaptic MAGUK scaffold protein that links CADM1 cell adhesion molecules to core components of the postsynaptic density (By similarity). In CA1 pyramidal neurons, required for synaptic KCNN2- containing channel function and long-term potentiation expression (By similarity). Seems to negatively regulate SRC function in epithelial cells (PubMed:<a href="http://www.uniprot.org/citations/19665017" target="\_blank">19665017</a>).

### Cellular Location

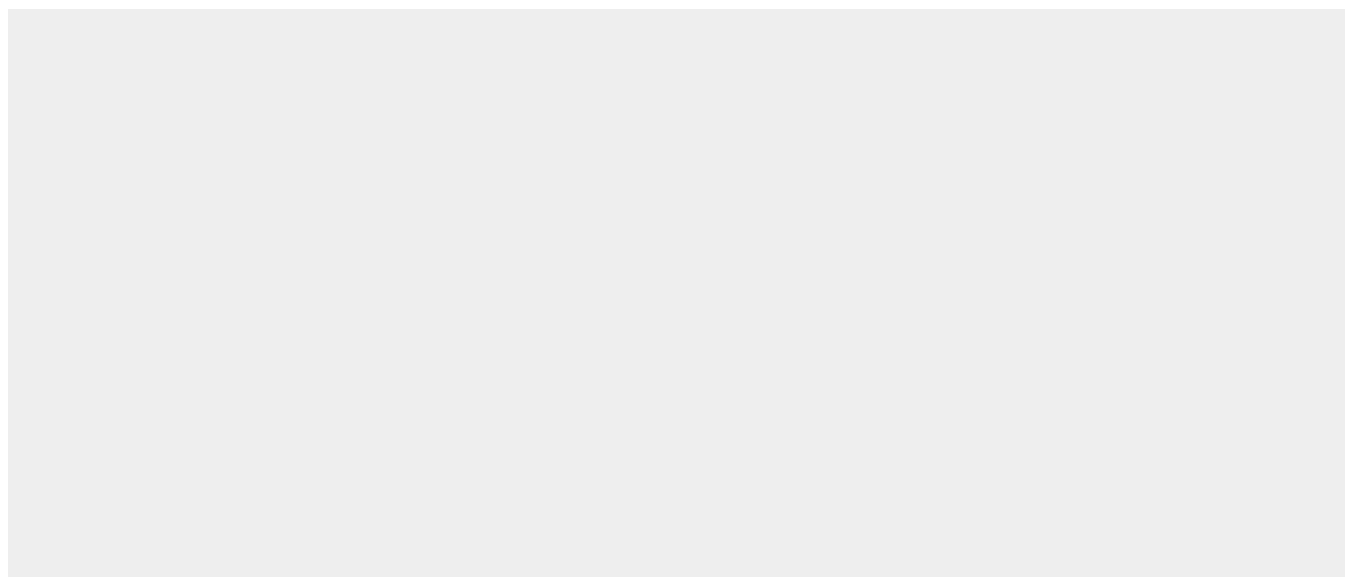
Cytoplasm, cytoskeleton. Membrane Cell projection, dendrite {ECO:0000250|UniProtKB:Q9WV34}. Postsynaptic density {ECO:0000250|UniProtKB:Q9WV34}. Note=Prominently expressed in the postsynaptic densities of dendritic spines, is also detected in dendritic shafts. {ECO:0000250|UniProtKB:Q9WV34}

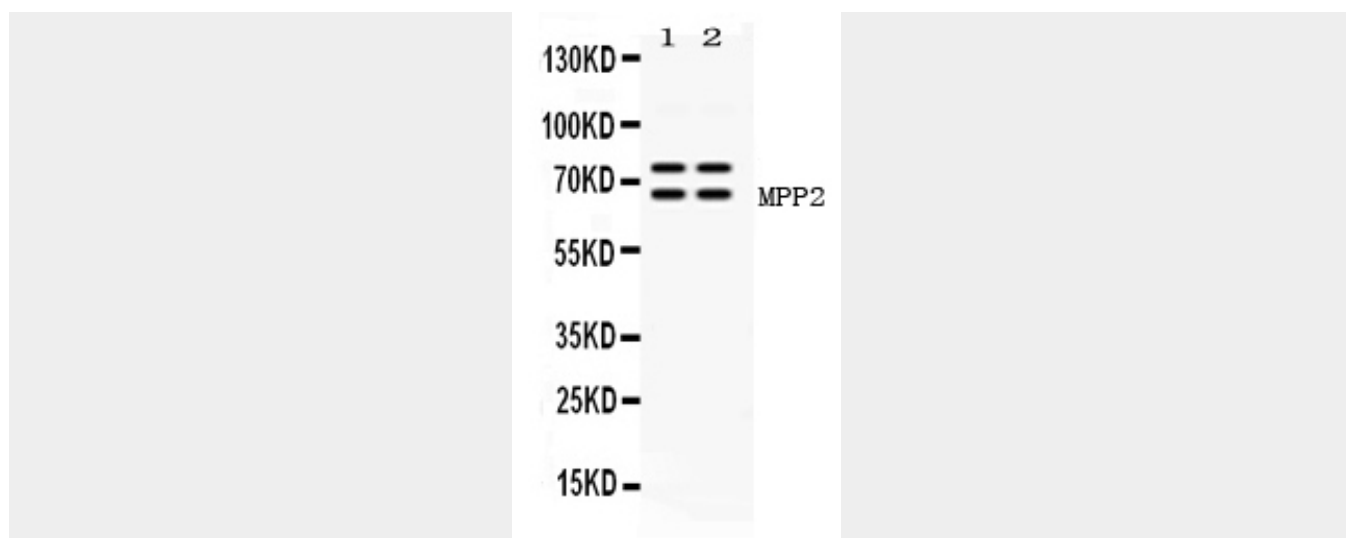
## Anti-MPP2 Picoband Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-MPP2 Picoband Antibody - Images





Western blot analysis of MPP2 expression in rat brain extract (lane 1) and mouse brain extract (lane 2). MPP2 at 65KD was detected using rabbit anti- MPP2 Antigen Affinity purified polyclonal antibody (Catalog # ABO11697) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

#### Anti-MPP2 Picoband Antibody - Background

MAGUK p55 subfamily member 2 is a protein that in humans is encoded by the MPP2 gene. Palmitoylated membrane protein 2 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. Palmitoylated membrane protein 2 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.