

Anti-MPP2 Picoband Antibody

Catalog # ABO11697

Product Information

Application	WB
Primary Accession	Q14168
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.

Additional Information

Gene ID	4355
Other Names	MAGUK p55 subfamily member 2, Discs large homolog 2, Protein MPP2, MPP2, DLG2
Calculated MW	64581
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Source	Eukaryota
Protein Name	MAGUK p55 subfamily member 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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 reconstitution, 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.

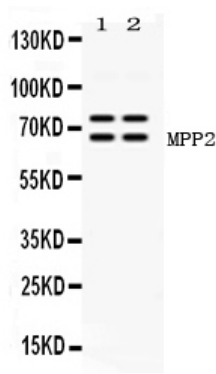
Protein Information

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: 19665017).
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}

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.

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 .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.