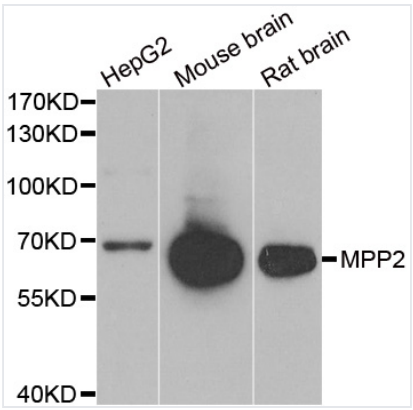
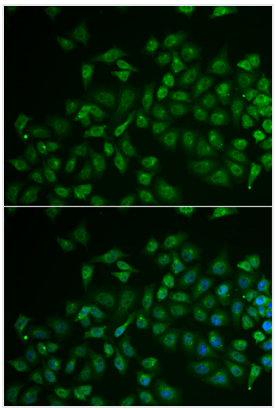
MPP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MPP2, Polyclonal Antibody
Full Product Name	MPP2 antibody
Product Gene Name	anti-MPP2 antibody
Product Synonym Names	DLG2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total MPP2 antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	60,512 Da
OMIM	600723
3D Structure	ModBase 3D Structure for Q14168
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human MPP2.
Target Name	MPP2
Product Categories/Family for anti-MPP2 antibody	Total protein Ab
Applications Tested/Suitable for anti-MPP2 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-MPP2 antibody	Western blotting: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200
Related Product Information for anti-MPP2 antibody	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.
Other Notes	Small volumes of anti-MPP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MPP2 purchase	MBS9405764 is an antibody targeting MPP2. Also known as MPP2 antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-MPP2 antibody
Western blot analysis of extracts of various cell lines, using MPP2 antibody.



Immunofluorescence (IF) of anti-MPP2 antibody
Immunofluorescence analysis of U2OS cell using MPP2 antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MPP2. It may not necessarily be applicable to this product.

NCBI GI #	507834101
NCBI GeneID	4355
NCBI Accession #	NP_001265299.1
UniProt Primary Accession #	Q14168
UniProt Secondary Accession #	Q53ES9; Q5CZB9; Q9BQJ2; B4DGE9; B4DRJ0; B7Z3G8; E7EV80; E7EV91; E7EX01
UniProt Related Accession #	Q14168
GenBank Nucleotide #	NM_001278370.1
NCBI Official Full Name	MAGUK p55 subfamily member 2 isoform 1
NCBI Official Synonym Full Names	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)
NCBI Official Symbol	MPP2
NCBI Official Synonym Symbols	DLG2
UniProt Protein Name	MAGUK p55 subfamily member 2
UniProt Synonym Protein Names	Discs large homolog 2; Protein MPP2
Protein Family	MAGUK p55 subfamily
UniProt Gene Name	MPP2
UniProt Synonym Gene Names	DLG2
UniProt Entry Name	MPP2_HUMAN
NCBI Protein Information	MAGUK p55 subfamily member 2

UniProt Comments for MPP2	MPP2: a protein of the MAGUK family. Contains one guanylate kinase-like domain, one SH3 domain, one PDZ domain, and two L27 domains. L27 domains are foun CASK in receptor targeting proteins including Lin-2, -4, -5, -6 and -7C, as well as the protein kinases. Three isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 17q12-q21 Cellular Component: membrane; integral to plasma membrane Molecular Function: guanylate kinase activity; PDZ domain binding Biological Process: signal transduction; nucleotide phosphorylation
Research Articles on MPP2	**1.** MPP2 interacts with c-Src in cells to control c-Src activity and morphological function.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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