DLG4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DLG4, Polyclonal Antibody
Full Product Name	DLG4
Product Gene Name	anti-DLG4 antibody
Product Synonym Names	PSD95; SAP-90; SAP90
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	80kDa
OMIM	602887
3D Structure	ModBase 3D Structure for P78352
Immunogen	A synthetic peptide of human DLG4
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DLG4 antibody	Western Blot (WB)
Application Notes for anti-DLG4 antibody	WB: 1:500-1:2000
Related Product Information for anti-DLG4 antibody	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-DLG4 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 DLG4 purchase	MBS8536552 is an antibody targeting DLG4. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DLG4. It may not necessarily be applicable to this product.

NCBI GI #	192447426
NCBI GeneID	1742
NCBI Accession #	NP_001122299.1

UniProt Primary Accession #	P78352
UniProt Secondary Accession #	Q92941; Q9UKK8; B7Z1S1; G5E939
UniProt Related Accession #	P78352
GenBank Nucleotide #	NM_001128827.2
NCBI Official Full Name	disks large homolog 4 isoform 2
NCBI Official Synonym Full Names	discs large MAGUK scaffold protein 4
NCBI Official Symbol	DLG4
NCBI Official Synonym Symbols	PSD95; SAP90; SAP-90
UniProt Protein Name	Disks large homolog 4
UniProt Synonym Protein Names	Postsynaptic density protein 95; PSD-95; Synapse-associated protein 90; SAP-90; SAP90
Protein Family	Disks large
UniProt Gene Name	DLG4
UniProt Synonym Gene Names	PSD95; PSD-95; SAP-90; SAP90
NCBI Protein Information	disks large homolog 4
UniProt Comments for DLG4	Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons. May reduce the amplitude of ASIC3 acid-evoked currents by retaining the channel intracellularly. May regulate the intracellular trafficking of ADR1B. Also regulates AMPA-type glutamate receptor (AMPAR) immobilization at postsynaptic density keeping the channels in an activated state in the presence of glutamate and preventing synaptic depression.
Research Articles on DLG4	**1.** DNA methylation of DLG4 and of human hippocampus and prefrontal cortex in major depression is unchanged in comparison to healthy individuals.
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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