



PSD-93 Monoclonal Antibody

Catalog No	YP-mAb-12795
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DLG2
Immunogen	The antiserum was produced against synthesized peptide derived from human DLG2. AA range:601-650
Specificity	PSD-93 Monoclonal Antibody detects endogenous levels of PSD-93 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	chapsyn 110;Disks large homolog 2;DKFZp781D1854;DKFZp781E0954;DLG2; FLJ37266;PSD 93;PSD93;PSD-93;Channel-associated protein of synapse-110; Chapsyn-110;Postsynaptic density protein PSD-93
Observed Band	97kD
Calculated Molecular Weight	97kD
Cell Pathway	Cell membrane ; Lipid-anchor . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Membrane . Cell projection, axon . Perikaryon . Concentrated in soma and postsynaptic density of a subset of neurons. .
Tissue Specificity	Brain,Brain cortex,Caudate nucleus,Cerebellum,Retina,
Function	domain:Isoform 2 has an L27 domain close to N-terminus.,function:Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses.,PTM:Palmitoylation of isoform 1 is not required for targeting to postsynaptic density.,similarity:Belongs to the MAGUK family.,similarity:Contains



1 guanylate kinase-like domain.,similarity:Contains 1 SH3 domain.,
similarity:Contains 3 PDZ (DHR) domains.,subcellular location:Concentrated in
soma and postsynaptic density of a subset of neurons.,subunit:Interacts with
NOS1/nNOS through second PDZ domain (By similarity). Inte

Background

This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. The encoded protein forms a heterodimer with a related family member that 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. Additional transcript variants have been described, but their full-length nature is not known. [provided by RefSeq, Dec 2008],

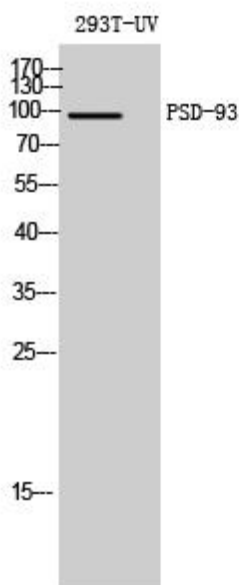
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PSD-93 Monoclonal Antibody