Product Data Sheet
PSD-93 Rabbit Polyclonal Antibody

Product name:	PSD-93 Rabbit Polyclonal Antibody
Cat number:	ABN16591
Conjugate:	Unconjugated
Size:	100μL
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human DLG2. AA range:601-650
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight:	97kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	DLG2; Disks large homolog 2; Channel-associated protein of synapse-110; Chapsyn-110; Postsynaptic density protein PSD-93
Source:	Rabbit
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],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). Interacts with C-terminus of KCNJ2/Kir2.1 through one of its PDZ domains.,

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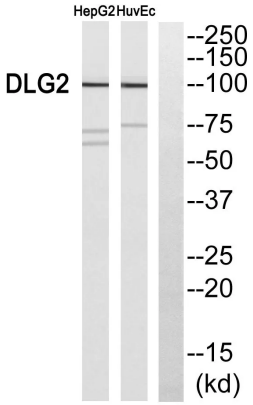
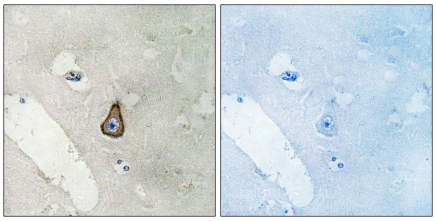
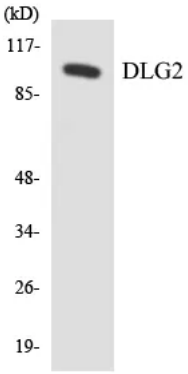


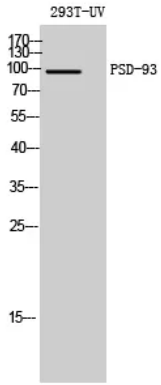
Western blot analysis of DLG2 Antibody. The lane on the right is blocked with the DLG2 peptide.



Immunohistochemistryt analysis of paraffin-embedded human brain, using DLG2 Antibody. The lane on the right is blocked with the DLG2 peptide.



Western blot analysis of the lysates from HeLa cells using DLG2 antibody.



Western Blot analysis of 293T-UV cells using PSD-93 Polyclonal Antibody diluted at 11000

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