

Rabbit anti-Human DLG2 Polyclonal Antibody | anti-DLG2 antibody

DLG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324667	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

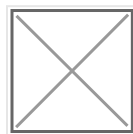
PRODUCT SYNONYMS

DLG2; Polyclonal Antibody; DLG2 Antibody; Channel associated protein of synapse 110; Channel associated protein of synapses 110kD; Channel-associated protein of synapse-110; Chapsyn 110; Chapsyn-110; Chapsyn110; Discs; large homolog 2 (Drosophila); Disks large homolog 2; DKFZp781D1854; DKFZp781E0954; Dlg 2; dlg2; DLG2_HUMAN; Dlgh 2; Dlgh2; FLJ37266; Gm1197; MGC131811; Postsynaptic density protein PSD 93; Postsynaptic density protein PSD-93; Postsynaptic density protein PSD93; PSD 93; PSD93; anti-DLG2 antibody

PRODUCT SPECIFICATIONS

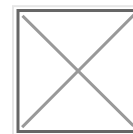
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PSD93 antibody detects endogenous levels of total PSD93.
Purity/Purification	Peptide Affinity Purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	975
Applicable Applications for anti-DLG2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using DLG2 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324667 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324667 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-DLG2 antibody	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 (By similarity). Subunit Structure: Interacts through its PDZ domains with NETO1 (By similarity). Interacts with NOS1/nNOS through second PDZ domain (By similarity). Interacts with KCNJ2/Kir2.1 (via C-terminus) through one of its PDZ domains (PubMed:15304517). Interacts with KCNJ4 (By similarity), Interacts with FRMPD4 (via C-terminus) (PubMed:19118189). Interacts with LRFN1, LRFN2 and LRFN4 (PubMed:16630835). Interacts with FASLG (PubMed:19807924). Interacts with KCNJ4 (By similarity). Interacts with ADAM22 (By similarity). Post-translational Modifications: Palmitoylation of isoform 1 is not required for targeting to postsynaptic density. Similarity: An N-terminally truncated L27 domain is predicted in isoform 2 at positions 1 through 27. Belongs to the MAGUK family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218156338
NCBI GeneID	1740
NCBI Accession #	NP_001136171.1
NCBI GenBank Nucleotide #	NM_001142699.1
UniProt Accession #	Q15700; Q59G57; Q5H9Q4; Q68CQ8; Q6ZTA8; B7WNY8; F8W9V6
Molecular Weight	98 KD
NCBI Official Full Name	disks large homolog 2 isoform 1
NCBI Official Synonym Full Names	discs large MAGUK scaffold protein 2
NCBI Official Symbol	DLG2
NCBI Official Synonym Symbols	PSD93; PSD-93; PPP1R58; chapsyn-110
NCBI Protein Information	disks large homolog 2
UniProt Protein Name	Disks large homolog 2
UniProt Gene Name	DLG2
UniProt Synonym Gene Names	Chapsyn-110

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.