

Anti-PSD93 Antibody

Catalog # AP59539

Product Information

Application	WB, IHC
Primary Accession	Q15700
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97552

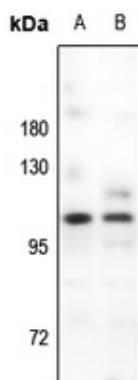
Additional Information

Gene ID	1740
Other Names	Disks large homolog 2; Channel-associated protein of synapse-110; Chapsyn-110; Postsynaptic density protein PSD-93
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PSD93. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

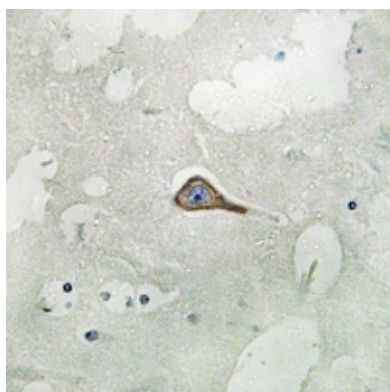
Protein Information

Name	DLG2
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).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q63622}; Lipid-anchor {ECO:0000250 UniProtKB:Q63622}. Postsynaptic density {ECO:0000250 UniProtKB:Q63622}. Synapse. Membrane {ECO:0000250 UniProtKB:Q63622}. Cell projection, axon {ECO:0000250 UniProtKB:Q63622}. Perikaryon {ECO:0000250 UniProtKB:Q63622}. Note=Concentrated in soma and postsynaptic density of a subset of neurons {ECO:0000250 UniProtKB:Q63622}

Images



Western blot analysis of PSD93 expression in SHSY5Y (A), MCF7 (B) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 110 kD)



Immunohistochemical analysis of PSD93 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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