ARG55199
anti-PSD95 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSD95
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSD95
Species	Human
Immunogen	Synthetic peptide of Human PSD95 (Swiss: P78352)
Conjugation	Un-conjugated
Alternate Names	Postsynaptic density protein 95; SAP90; PSD-95; Synapse-associated protein 90; PSD95; SAP-90; Disks large homolog 4

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse brain

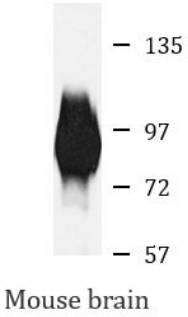
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DLG4
Gene Full Name	discs, large homolog 4 (Drosophila)
Background	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. [provided by RefSeq, Jul 2008]
Function	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 (By similarity). [UniProt]
Highlight	Related products: PSD95 antibodies; Anti-Rabbit IgG secondary antibodies; Related news: Neuronal Development Marker
Research Area	Neuroscience antibody
Calculated Mw	80 kDa
PTM	Palmitoylation of isoform 1 is required for targeting to postsynaptic density.

Images



ARG55199 anti-PSD95 antibody WB image

Western blot: Mouse brain lysate stained with ARG55199 anti-PSD95 antibody.