

ARG52404 anti-PSD95 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSD95
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Bov, NHuPrm, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSD95
Species	Rat
Immunogen	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
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	1:1000

Application Note
Specific for ~95k PSD-95 protein.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

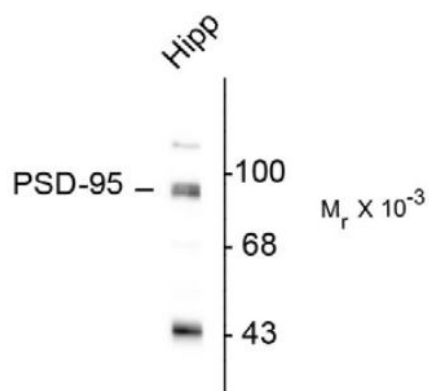
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 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

Database links	GeneID: 29495 Rat Swiss-port # P31016 Rat
Gene Symbol	DLG4
Gene Full Name	discs, large homolog 4 (Drosophila)
Background	PSD-95 is a very prominent component of the postsynaptic densities of synapses. It contains three PDZ domains which play key roles in its interactions with other proteins in the synapse. It has been proposed that these PDZ domains organize glutamate receptors and their associated signaling proteins and determine the size and strength of synapses (Kim and Sheng, 2004). Recent work suggests that interaction of the NMDAR with PSD-95 via these PDZ domains can be regulated by phosphorylation (Chung et al., 2004).
Research Area	Neuroscience antibody
Calculated Mw	80 kDa
PTM	Palmitoylation of isoform 1 is required for targeting to postsynaptic density.

Images



ARG52404 anti-PSD95 antibody WB image

Western blot: rat hippocampal (Hipp) lysate stained with ARG52404 anti-PSD-95 antibody showing specific immunolabeling of the ~95k PSD-95 protein.