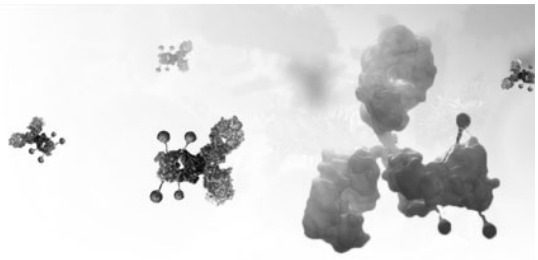

Magic™ Anti-PSD95 (Phospho S295) polyclonal antibody (DPABH-27413)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Specificity	PSD95 has a predicted band size of 95kDa, however in western blot gels it tends to run at a larger band size (~105kDa), this is thought to be due to post-translational modification (possibly palmitoylation) of PSD95 proteins.
Target	PSD95
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 250 - 350 of Mouse PSD95, phosphorylated at S295.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-FoFr, WB
Procedure	Phospho-specific Antibodies
Format	Liquid

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Size	100 µg
Buffer	Constituents: 1% BSA, PBS, pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	DLG4 discs, large homolog 5 (Drosophila) [Mus musculus]
Official Symbol	DLG4
Synonyms	DLG4; discs, large homolog 4 (Drosophila); Dlgh4; PSD95; SAP90; PSD-95; SAP90A; disks large homolog 4; SAP-90; PSD-95 beta; PSD-95 alpha 2b; discs large homolog 4; synapse-associated protein 90; postsynaptic density protein 95;
Entrez Gene ID	13385
Protein Refseq	NP_001103222.1
UniProt ID	Q62108
Pathway	Activation of Ca-permeable Kainate Receptor; Activation of NMDA receptor upon glutamate binding and postsynaptic events; CREB phosphorylation through the activation of CaMKII; Cocaine addiction
Function	D1 dopamine receptor binding; P2Y1 nucleotide receptor binding; PDZ domain binding; acetylcholine receptor binding

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