



# Anti-DLG4 (aa 1-100) polyclonal antibody (DPABH-27821)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide derived from residues 1 - 100 of Mouse PSD95.
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Constituents: PBS, pH 7.4
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DLG4 discs. large homolog 5 (Drosophila) [ Mus musculus ]</a>
<b>Official Symbol</b>	DLG4
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">13385</a>
<b>Protein Refseq</b>	<a href="#">NP_001103222.1</a>
<b>UniProt ID</b>	<a href="#">Q62108</a>
<b>Pathway</b>	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
<b>Function</b>	D1 dopamine receptor binding; P2Y1 nucleotide receptor binding; PDZ domain binding; acetylcholine receptor binding