

Datasheet for ABIN6253485

Recombinant anti-DLG4 antibody



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Overview

Quantity:	100 µg
Target:	DLG4
Reactivity:	Rat, Mouse, Human
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	anti-PSD-95 (palmitoylated), mAb (rec.) (PF11)
Immunogen:	Palmitoylated PSD-95.
Clone:	PF11
Isotype:	IgG2
Characteristics:	Recombinant Antibody. Recognizes human, mouse and rat palmitoylated PSD-95. Isotype: Human IgG2. Clone: PF11. Applications: ICC, IHC. Liquid. In PBS containing 10 % glycerol. PSD-95 is a member of proteins located at a specialized postsynaptic membrane region, called the postsynaptic density (PSD). PSD-95 is the most abundant scaffold protein specifically enriched in the PSD. It contains three PDZ domains, an SH3 domain and a guanylate kinase (GuK)-like domain. Through its PDZ domains, PSD-95 assembles various synaptic components at the PSD including intracellular signaling molecules (e.g. SynGAP and kalirin-7), ion channels (e.g. stargazin/AMPA receptors [AMPARs] and NMDA receptors) and cell adhesion molecules (e.g.

Product Details

neuroligin). PSD-95 plays a primary role in synaptic development and maturation and is regulated by palmitoylation at its N-terminal cysteine residues leading to its postsynaptic targeting. Palmitoylation of PSD-95 is triggered by DHHC2, a plasma membrane-inserted palmitoylating enzyme. Palmitoylated PSD-95 is almost exclusively localized at excitatory synapses in neurons.

Purity: >95 % (SDS-PAGE)

Target Details

Target: DLG4

Alternative Name: PSD-95 ([DLG4 Products](#))

Background: Alternate Names/Synonyms: PSD95, Disks Large Homolog 4, DLG4, Postsynaptic Density Protein 95, Synapse-associated Protein 90, SAP90

Product Description: PSD-95 is a member of proteins located at a specialized postsynaptic membrane region, called the postsynaptic density (PSD). PSD-95 is the most abundant scaffold protein specifically enriched in the PSD. It contains three PDZ domains, an SH3 domain and a guanylate kinase (GuK)-like domain. Through its PDZ domains, PSD-95 assembles various synaptic components at the PSD including intracellular signaling molecules (e.g. SynGAP and kalirin-7), ion channels (e.g. stargazin/AMPA receptors [AMPARs] and NMDA receptors) and cell adhesion molecules (e.g. neuroligin). PSD-95 plays a primary role in synaptic development and maturation and is regulated by palmitoylation at its N-terminal cysteine residues leading to its postsynaptic targeting. Palmitoylation of PSD-95 is triggered by DHHC2, a plasma membrane-inserted palmitoylating enzyme. Palmitoylated PSD-95 is almost exclusively localized at excitatory synapses in neurons.

Pathways: [Regulation of Muscle Cell Differentiation](#), [Synaptic Membrane](#), [Skeletal Muscle Fiber Development](#), [Asymmetric Protein Localization](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. In PBS containing 10 % glycerol.
Handling Advice:	After opening, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 1 year after receipt when stored at -20°C.