ELK Biotechnology

DLG4 rabbit pAb

Cat No.:ES20428

For research use only

Overview

Product Name	DLG4 rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human DLG4 AA range: 530-610
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat DLG4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	DLG4
Gene Name	DLG4 PSD95
Cellular localization	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Cytoplasm . Cell projection, axon . Cell projection, dendritic spine . Cell projection, dendrite . Cell junction, synapse, presynapse . High levels in postsynaptic density of neurons in the forebrain. Also in presynaptic region of inhibitory synapses formed by cerebellar basket cells on axon hillocks of Purkinje cells. Suppression of neuronal activity induces synaptic accumulation and clustering of DLG4. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	1742
Human Swiss-Prot Number	P78352

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Alternative Names	Disks large homolog 4 (Postsynaptic density protein 95;PSD-95;Synapse-associated protein 90;SAP-90;SAP90)
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],

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