



DLG1 Polyclonal Antibody

Catalog No	YP-Ab-07673
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	DLG1
Immunogen	Synthesized peptide derived from part region of human protein AA range: 70-120
Specificity	DLG1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DLG1;Disks large homolog 1;SAP-97;SAP97;hdlg;Disks large homolog 1 (Synapse-associated protein 97) (SAP-97) (SAP97) (hdlg)
Observed Band	100-130 kDa
Calculated Molecular Weight	100 kDa
Cell Pathway	Membrane ; Peripheral membrane protein . Basolateral cell membrane . Endoplasmic reticulum membrane . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Cell membrane, sarcolemma . Apical cell membrane . Cell junction . Cytoplasm . Colocalizes with EPB41 at regions of intercellular contacts. Basolateral in epithelial cells (PubMed:12807908). May also associate with endoplasmic reticulum membranes. Mainly found in neurons soma, moderately found at postsynaptic densities (By similarity). .
Tissue Specificity	Abundantly expressed in atrial myocardium (at protein level). Expressed in lung fibroblasts, cervical epithelial and B-cells (at protein level). Expressed in the brain (at protein level) (PubMed:23676497). Widely expressed, with isoforms displaying different expression profiles.
Function	domain:The alternatively spliced domain I3 corresponding to amino acids (636-669) of isoform 4 is an EPB41 binding site mediating association to membranes in polarized and non-polarized cells.,domain:The L27 domain may regulate

DLG1 self-association. The N-terminal alternatively spliced region is capable of binding several SH3 domains and also moderates the level of protein oligomerization. The PDZ domains may also mediate association to membranes by binding to EPB41 and GPR124 together with the L27 domain that binds CASK and DLG2. function: Essential multidomain scaffolding protein required for normal development (By similarity). Recruits channels, receptors and signaling molecules to discrete plasma membrane domains in polarized cells. May play a role in adherens junction assembly, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. Regulates the ex

Background

This gene encodes a multi-domain scaffolding protein that is required for normal development. This protein may have a role in septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene, but the full-length nature of some of the variants is not known. [provided by RefSeq, Feb 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images