DLG3 Monoclonal Antibody

Catalog No	YP-mAb-05517
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DLG3 KIAA1232
Protein Name	Disks large homolog 3 (Neuroendocrine-DLG) (Synapse-associated protein 102) (SAP-102) (SAP102) (XLMR)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DLG3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	89kD
Cell Pathway	extracellular space,cytoplasm,plasma membrane,bicellular tight junction,ionotropic glutamate receptor complex,postsynaptic density,basolateral plasma membrane,growth cone,AMPA glutamate receptor complex,neuronal cell body,d
Tissue Specificity	Brain,Fetal brain,Thymus,Trachea,
Function	alternative products:Named isoforms=2,disease:Defects in DLG3 are the cause of mental retardation X-linked type 90 (MRX90) [MIM:300189]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.,function:Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.,similarity:Belongs to the MAGUK family.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 3 PDZ (DHR) domains.,subunit:Interacts through its PDZ domains with GRIN2B and SYNGAP1. Interacts through its guanylate kinase-like domain with DLGAP1, DLGAP2, DLGAP3 and DLGAP4 (By

Background	This gene encodes a member of the membrane-associated guanylate kinase protein family. The encoded protein may play a role in clustering of NMDA receptors at excitatory synapses. It may also negatively regulate cell proliferation through interaction with the C-terminal region of the adenomatosis polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked mental retardation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009],
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.

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