



Mouse anti-Rat Dlg3 monoclonal antibody, clone T20-3 (CABT-B10100)

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

PRODUCT INFORMATION

Specificity	Detects ~105KDa. No cross-reactivity against PSD95, SAP97 or Chapsyn-110.
Immunogen	Recombinant protein corresponding to amino acids 1-120 of rat Dlg3.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	rat
Clone	T20-3
Conjugate	Unconjugated
Applications	WB, IHC, IP
Format	Liquid
Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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 adenomatous polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked mental retardation. Alternatively spliced transcript variants have been
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described. [provided by RefSeq, Oct 2009]

Keywords	DLG3; discs, large homolog 3 (Drosophila); MRX; XLMR; MRX90; NEDLG; SAP102; PPP1R82; disks large homolog 3; neuroendocrine-DLG; synapse-associated protein 102; protein phosphatase 1, regulatory subunit 82;
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GENE INFORMATION

Entrez Gene ID	1741
UniProt ID	Q92796
Pathway	Activation of Ca-permeable Kainate Receptor, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Ionotropic activity of Kainate Receptors, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; Neuronal System, organism-specific biosystem;
Function	PDZ domain binding; guanylate kinase activity; ionotropic glutamate receptor binding; phosphatase binding; protein C-terminus binding; protein binding; protein phosphatase binding;
