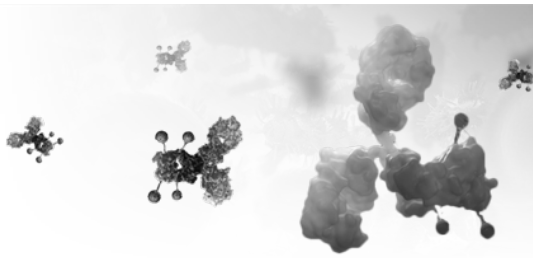

# Mouse anti-Human DLG3 monoclonal antibody, clone 3C7 (CABT-B10101)

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

## PRODUCT INFORMATION

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|---|---|
| **Immunogen** | DLG3 (NP_066943, 281 a.a. ~ 381 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 3C7 |
| **Conjugate** | Unconjugated |
| **Applications** | WB,ELISA,RNAi Knockdown |
| **Sequence Similarities** | VNNTNLQDVRHEEAVASLKNTSDMVYLKVAKPGSLHLNDMYAPPDYASTFTALADNHISH NSSLGYLGAVESKVSYPAPPQVPPTRYSPIPRHMLAEEDF* |
| **Format** | Liquid |
| **Size** | 100 µg |
| **Buffer** | In 1x PBS, pH 7.2 |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## BACKGROUND

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| **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 |

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|---|---|
| | 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] |
| **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; |

# GENE INFORMATION

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|---|---|
| **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; Ionotropic activity of Kainate Receptors, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; Neuroransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem |
| **Function** | PDZ domain binding; guanylate kinase activity; ionotropic glutamate receptor binding; protein C-terminus binding; protein binding; protein phosphatase binding |

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