



# Anti-DLG3 (aa 108-157) polyclonal antibody (CPBT-57553RH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human DLG3.
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within N terminal amino acids 108 - 157 (HEQAAAAALKR AGQSVTIVAQ YRPEEYSRFE SKIHDRLREQM MNSSMSSGSG) of human SAP102.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	Belongs to the MAGUK family. Contains 1 guanylate kinase-like domain. Contains 3 PDZ (DHR) domains. Contains 1 SH3 domain.
<b>Format</b>	Liquid
<b>Size</b>	50 µg

<b>Buffer</b>	Preservative: NoneConstituents: 2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DLG3 discs, large homolog 3 (Drosophila) [ Homo sapiens ]</a>
<b>Official Symbol</b>	DLG3
<b>Synonyms</b>	DLG3; discs, large homolog 3 (Drosophila); discs, large homolog 3 (neuroendocrine dlg, Drosophila); disks large homolog 3; KIAA1232; MRX90; NE Dlg; NEDLG; neuroendocrine dlg; SAP 102; SAP102; bA291O7.3; bA291O7.3 discs large Drosophila homolog 3 neuroendocrine dlg; Discs large Drosophila homolog 3; Discs large homolog 3neuroendocrine dlg Drosophila; Discs large homolog 3; Discs large homolog 3 Drosophila; Discs, large homolog 3 (Drosophila); Disks large homolog 3; DLG 3; Dlg3; DLG3_HUMAN; KIAA1232; mKIAA1232; MRX 90; MRX; MRX90; NE Dlg; NEDLG; Neuroendocrine dlg; Neuroendocrine-DLG; OTTHUMP00000023475; OTTHUMP00000023476; OTTHUMP00000023477; SAP 102; SAP-102; SAP102; Synapse associated protein 102; Synapse-associated protein 102; XLMR; neuroendocrine-DLG; synapse-associated protein 102; MRX; XLMR;
<b>Entrez Gene ID</b>	<a href="#">1741</a>
<b>Protein Refseq</b>	<a href="#">NP_001159750</a>
<b>UniProt ID</b>	<a href="#">Q92796</a>
<b>Chromosome Location</b>	Xq13.1
<b>Pathway</b>	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; Neurotransmitter Receptor Binding And Downstream Transmission In ThePostsynapti
<b>Function</b>	PDZ domain binding; guanylate kinase activity; ionotropic glutamate receptor binding; phosphatase binding; protein C-terminus binding; protein binding; protein phosphatase binding;