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DLG2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20636c

Specification

DLG2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q15700
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**97552**

DLG2 Antibody (Center) - Additional Information

Gene ID 1740

Other Names
Disks large homolog 2, Channel-associated protein of synapse-110, Chapsyn-110, Postsynaptic density protein PSD-93, DLG2

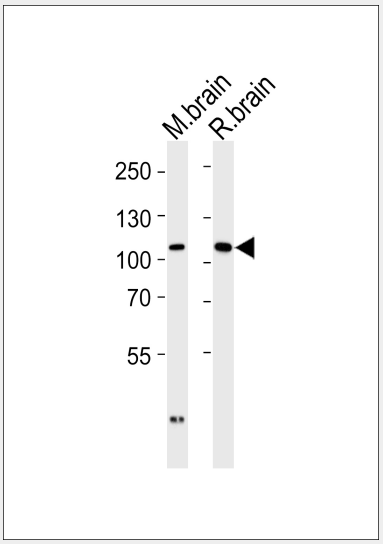
Target/Specificity
This DLG2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 614-648 amino acids from the Central region of human DLG2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DLG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.



Western blot analysis of tissue lysates from mouse brain and rat brain (from left to right), using DLG2 Antibody (Center)(Cat. #AP20636c). AP20636c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

DLG2 Antibody (Center) - Background

Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses (By similarity).

DLG2 Antibody (Center) - References

Kim E.,et al.Neuron 17:103-113(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Taylor T.D.,et al.Nature 440:497-500(2006).

Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

DLG2 Antibody (Center) - Protein Information

Name DLG2

Function
Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q63622}; Lipid-anchor {ECO:0000250|UniProtKB:Q63622}. Cell junction, synapse, postsynaptic density {ECO:0000250|UniProtKB:Q63622}. Cell junction, synapse. Membrane {ECO:0000250|UniProtKB:Q63622}. Cell projection, axon {ECO:0000250|UniProtKB:Q63622}. Perikaryon {ECO:0000250|UniProtKB:Q63622}. Note=Concentrated in soma and postsynaptic density of a subset of neurons {ECO:0000250|UniProtKB:Q63622}

DLG2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture