

Datasheet

DLG4 monoclonal antibody, clone S28-43

Catalog Number: MAB8575

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant DLG4.

Clone Name: S28-43

Immunogen: Recombinant protein corresponding to amino acids 77-200 of human DLG4.

Host: Mouse

Reactivity: Human, Mouse, Rat

Applications: IEM, IHC, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody is specific to DLG4.

Form: Liquid

Isotype: IgG2a

Recommend Usage: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH7.4 (50% glycerol, 0.09% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1742

Gene Symbol: DLG4

Gene Alias: FLJ97752, FLJ98574, PSD95, SAP-90, SAP90

Gene Summary: This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Interaction between SAP97 and PSD-95, two Maguk proteins involved in synaptic trafficking of AMPA receptors. Cai C, Li H, Rivera C, Keinänen K. J Biol Chem. 2006 Feb 17;281(7):4267-73. Epub 2005 Dec 6.
2. The PSD95-nNOS interface: a target for inhibition of excitotoxic p38 stress-activated protein kinase activation and cell death. Cao J, Viholainen JI, Dart C, Warwick HK, Leyland ML, Courtney MJ. J Cell Biol. 2005 Jan 3;168(1):117-26.
3. Identification of PSD-95 as a regulator of dopamine-mediated synaptic and behavioral plasticity. Yao WD, Gainetdinov RR, Arbuckle MI, Sotnikova TD, Cyr M, Beaulieu JM, Torres GE, Grant SG, Caron MG. Neuron. 2004 Feb 19;41(4):625-38.