

Catalog # BP16367a

DLGAP4 Antibody (N-term) Blocking Peptide Synthetic peptide

Specification

DLGAP4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

<u>Q9Y2H0</u>

DLGAP4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 22839

Other Names Disks large-associated protein 4, DAP-4, PSD-95/SAP90-binding protein 4, SAP90/PSD-95-associated protein 4, SAPAP-4, DLGAP4, DAP4, KIAA0964, SAPAP4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DLGAP4 Antibody (N-term) Blocking Peptide - Protein Information

Name DLGAP4

Synonyms DAP4, KIAA0964, SAPAP4

Function

May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD- 95/SAP90 at the plasma membrane.

Cellular Location Membrane; Peripheral membrane protein

DLGAP4 Antibody (N-term) Blocking Peptide - Protocols

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

<u>Blocking Peptides</u>

DLGAP4 Antibody (N-term) Blocking Peptide - Images



DLGAP4 Antibody (N-term) Blocking Peptide - Background

DLGAP4 is a membrane-associated guanylate kinase found at the postsynaptic density in neuronalcells. It is a signaling molecule that can interact with potassium channels and receptors, as well as other signaling molecules. The protein encoded by this gene can interact with PSD-95 through itsguanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of atleast four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have beenfound for this gene.

DLGAP4 Antibody (N-term) Blocking Peptide - References

Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :Rikova, K., et al. Cell 131(6):1190-1203(2007)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Grelle, G., et al. Mol. Cell Proteomics 5(2):234-244(2006)Kawabe, H., et al. J. Biol. Chem. 274(43):30914-30918(1999)