

DLGAP4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16367a**Specification**

DLGAP4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y2H0](#)**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.

- [Blocking Peptides](#)

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 neuronal cells. 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 its guanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of at least four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have been found 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)