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DLGAP4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16367A

Specification

DLGAP4 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2H0
Other Accession	P97839, B1AZP2, NP_001035951.1, NP_055717.2, NP_892118.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**108012**
Antigen Region	**105-133**

DLGAP4 Antibody (N-term) - 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

Target/Specificity
This DLGAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-133 amino acids from the N-terminal region of human DLGAP4.

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
DLGAP4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DLGAP4 Antibody (N-term) - 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.

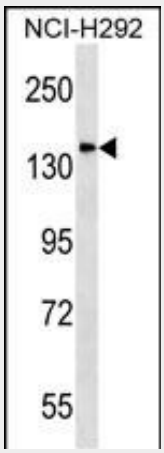
Cellular Location
Membrane; Peripheral membrane protein

DLGAP4 Antibody (N-term) - 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

DLGAP4 Antibody (N-term) - Images



DLGAP4 Antibody (N-term) (Cat. #AP16367a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the DLGAP4 antibody detected the DLGAP4 protein (arrow).

DLGAP4 Antibody (N-term) - 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.

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DLGAP4 Antibody (N-term) - 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)