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SAPAP3 Rabbit pAb

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Catalog # AP54451

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95886
Predicted	Rat, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106040
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SAPAP3
Epitope Specificity	201-300/979
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Peripheral membrane protein. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell junction, synapse. Note=Postsynaptic density of neuronal cells.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Members of the postsynaptic density-95 (PSD-95)/SAP90 family of membrane-associated guanylate kinase (MAGUK) proteins function as multimodular scaffolds that organize protein-signaling complexes at neuronal synapses. SAPAP3 (PSD-95/SAP90-binding protein 3), also known as DLGAP3 (disks large-associated protein 3) or DAP3, is a 979 amino acid protein that belongs to the SAPAP family of PSD-95/SAP90-associated proteins. Localized to the cell junction, as well as to the peripheral membrane and the cell synapse, SAPAP3 is thought to play a role in the organization of neuronal cell signaling and synapses, and may also function as an adaptor protein, possibly linking ion channels with the cytoskeleton.

Additional Information

Gene ID	58512
Other Names	Disks large-associated protein 3, DAP-3, PSD-95/SAP90-binding protein 3, SAP90/PSD-95-associated protein 3, SAPAP3, DLGAP3, DAP3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DLGAP3
Synonyms	DAP3
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	Cell membrane; Peripheral membrane protein. Postsynaptic density. Synapse. Note=Postsynaptic density of neuronal cells

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.