

SAPAP4 Antibody

Catalog # ASC10706

Product Information

Application	WB, E
Primary Accession	Q9Y2H0
Other Accession	NP_055717 , 34335253
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	108012
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SAPAP4 antibody can be used for detection of SAPAP4 by Western blot at 1 μ g/mL.

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	DLGAP4; At least three isoforms of SAPAP2 are known to exist. This SAPAP4 antibody will not cross-react with other SAPAP proteins.
Reconstitution & Storage	SAPAP4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	SAPAP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Background

SAPAP4 Antibody: SAP90/PSD-95-associated protein 4 (SAPAP4, also known as DLGAP4) is a member of a protein family whose members specifically interact with PSD-95/SAP90, a membrane-associated guanylate kinase localized at postsynaptic density (PSD) in neuronal cells. Like the other SAPAP proteins, SAPAP4 is thought to be an adaptor protein that also interacts with different synaptic scaffolding proteins, cytoskeletal and signaling components, such as focal adhesion kinase (FAK) and proline-rich tyrosine kinase 2 (PYK2). SAPAP4 mRNA is targeted to cell bodies in a similar manner to SAPAP1 and -2, whereas SAPAP3 mRNA is detected mainly in cell bodies.

References

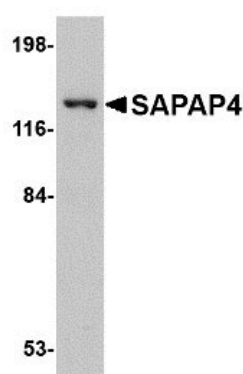
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Images



Western blot analysis of SAPAP4 in SK-N-SH cell lysate with SAPAP4 antibody at 1 µg/mL.

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