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SGIP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9556b

Product Information

Application	WB, E
Primary Accession	Q9BQI5
Other Accession	P0DJJ3, Q8VD37
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24207
Calculated MW	89109
Antigen Region	1-30

Additional Information

Gene ID	84251
Other Names	SH3-containing GRB2-like protein 3-interacting protein 1, Endophilin-3-interacting protein, SGIP1
Target/Specificity	This SGIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SGIP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	SGIP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SGIP1
Function	May function in clathrin-mediated endocytosis. Has both a membrane binding/tubulating activity and the ability to recruit proteins essential to the

	formation of functional clathrin-coated pits. Has a preference for membranes enriched in phosphatidylserine and phosphoinositides and is required for the endocytosis of the transferrin receptor. May also bind tubulin. May play a role in the regulation of energy homeostasis.
Cellular Location	Membrane, clathrin-coated pit; Peripheral membrane protein; Cytoplasmic side
Tissue Location	Specifically expressed in brain.

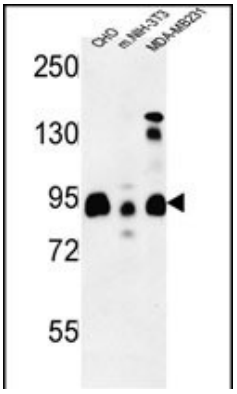
Background

SGIP1 functions as an endocytic protein that affects signaling by receptors in neuronal systems involved in energy homeostasis via its interaction with endophilins (see SH3GL3; MIM 603362) (Trevaskis et al., 2005 [PubMed 15919751] and Uezu et al., 2007 [PubMed 17626015]).

References

Luke, M.M., et al. Stroke 40(2):363-368(2009)
Shiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008)
Uezu, A., et al. J. Biol. Chem. 282(36):26481-26489(2007)
Trevaskis, J., et al. Endocrinology 146(9):3757-3764(2005)
Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)

Images



SGIP1 Antibody (N-term) (Cat. #AP9556b) western blot analysis in CHO,MDA-MB231, mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the SGIP1 antibody detected the SGIP1 protein (arrow).

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