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SGIP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9556b

Specification

SGIP1 Antibody (N-term) - Product Information

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

SGIP1 Antibody (N-term) - 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

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.

SGIP1 Antibody (N-term) - 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

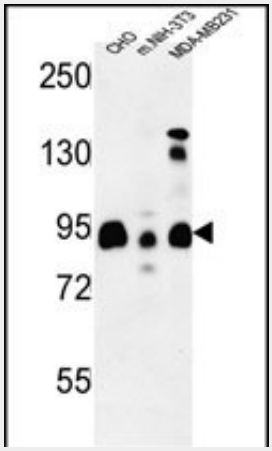
Tissue Location
Specifically expressed in brain.

SGIP1 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

SGIP1 Antibody (N-term) - 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).

SGIP1 Antibody (N-term) - 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]).

SGIP1 Antibody (N-term) - 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)