

Rabbit SGIP1 Polyclonal Antibody | anti-SGIP1 antibody

SGIP1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284900	Rabbit	Human, mouse (Predicted Reactivity: Rat)	ELISA, Western Blot

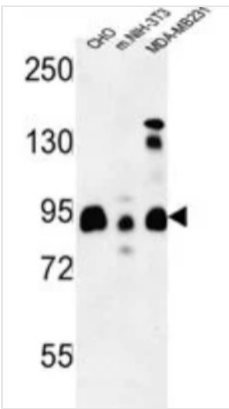
PRODUCT SYNONYMS

SGIP1; Polyclonal Antibody; SGIP1 Antibody (N-term); SH3-containing GRB2-like protein 3-interacting protein 1; Endophilin-3-interacting protein; anti-SGIP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	1-30
Sequence Length	631
Applicable Applications for anti-SGIP1 antibody	ELISA, WB (Western Blot)
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.
Preparation and Storage	Maintain refrigerated at 2-8°C for 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
SGIP1 Antibody (N-term) (AAA284900) 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).

ADDITIONAL INFORMATION

Related Product Information for anti-SGIP1 antibody	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]).
Product Categories/Family for anti-SGIP1 antibody	Metabolism; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116235472
NCBI GeneID	84251
NCBI Accession #	NP_115667.2
NCBI GenBank Nucleotide #	NM_032291.3
UniProt Accession #	Q9BQI5; Q4LE32; Q5VYE2; Q5VYE3; Q5VYE4; Q68D76; Q6MZY6; Q8IWC2; A6NL81; A6NLD1
Molecular Weight	89109
NCBI Official Full Name	SH3-containing GRB2-like protein 3-interacting protein 1 isoform 1
NCBI Official Synonym Full Names	SH3-domain GRB2-like (endophilin) interacting protein 1
NCBI Official Symbol	SGIP1
NCBI Protein Information	SH3-containing GRB2-like protein 3-interacting protein 1
UniProt Protein Name	SH3-containing GRB2-like protein 3-interacting protein 1
UniProt Gene Name	SGIP1
UniProt Entry Name	SGIP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/sgip1-antibody-western-blot-elisa/284900>