

**SGIP1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9556b****Specification**

---

**SGIP1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9BQI5](#)

**SGIP1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 84251

**Other Names**

SH3-containing GRB2-like protein 3-interacting protein 1, Endophilin-3-interacting protein, SGIP1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SGIP1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **SGIP1 Antibody (N-term) Blocking Peptide - Images**

### **SGIP1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)