

**SGTA Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16027c****Specification**

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**SGTA Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O43765](#)**SGTA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6449**Other Names**

Small glutamine-rich tetratricopeptide repeat-containing protein alpha, Alpha-SGT, Vpu-binding protein, UBP, SGTA, SGT, SGT1

**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.

**SGTA Antibody (Center) Blocking Peptide - Protein Information****Name** SGTA**Synonyms** SGT, SGT1**Function**

Co-chaperone that binds misfolded and hydrophobic patches- containing client proteins in the cytosol. Mediates their targeting to the endoplasmic reticulum but also regulates their sorting to the proteasome when targeting fails (PubMed: [28104892](http://www.uniprot.org/citations/28104892)). Functions in tail- anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and the BAG6 complex a targeting module (PubMed: [28104892](http://www.uniprot.org/citations/28104892)). Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins (PubMed: [28104892](http://www.uniprot.org/citations/28104892), PubMed: [25535373](http://www.uniprot.org/citations/25535373)). It is also involved in the regulation of the endoplasmic reticulum-associated misfolded protein catabolic process via its interaction with BAG6: collaborates with the BAG6 complex to maintain hydrophobic substrates in non-ubiquitinated states (PubMed: [23129660](http://www.uniprot.org/citations/23129660), PubMed: [25179605](http://www.uniprot.org/citations/25179605)

target="\_blank">25179605</a>). Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex (PubMed:<a href="http://www.uniprot.org/citations/27193484" target="\_blank">27193484</a>). Binds directly to HSC70 and HSP70 and regulates their ATPase activity (PubMed:<a href="http://www.uniprot.org/citations/18759457" target="\_blank">18759457</a>).

**Cellular Location**

Cytoplasm. Nucleus. Note=Co-localizes with HSP90AB1 in the cytoplasm. Increased nuclear accumulation seen during cell apoptosis

**Tissue Location**

Ubiquitous.

**SGTA Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**SGTA Antibody (Center) Blocking Peptide - Images****SGTA Antibody (Center) Blocking Peptide - Background**

This gene encodes a protein which is capable of interacting with the major nonstructural protein of parvovirus H-1 and 70-kDa heat shock cognate protein; however, its function is not known. Since this transcript is expressed ubiquitously in various tissues, this protein may serve a housekeeping function. [provided by RefSeq].

**SGTA Antibody (Center) Blocking Peptide - References**

Ewens, K.G., et al. J. Clin. Endocrinol. Metab. 95(5):2306-2315(2010) Dutta, S., et al. Biochemistry 47(38):10123-10131(2008) Dutta, S., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 64 (PT 7), 602-604 (2008) :Goodarzi, M.O., et al. Hum. Reprod. 23(5):1214-1219(2008) Buchanan, G., et al. Cancer Res. 67(20):10087-10096(2007)