

**SGTA Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16027c**

**Specification**

**SGTA Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O43765</a>
Other Accession	<a href="#">Q32LM2</a> , <a href="#">NP_003012.1</a>
Reactivity	Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34063
Antigen Region	78-106

**SGTA Antibody (Center) - Additional Information**

**Gene ID 6449**

**Other Names**

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

**Target/Specificity**

This SGTA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-106 amino acids from the Central region of human SGTA.

**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**

SGTA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SGTA Antibody (Center) - 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](#)). Functions in tail-anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and the BAG6 complex a targeting module (PubMed:[28104892](#)). Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins (PubMed:[25535373](#), PubMed:[28104892](#)). 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](#), PubMed:[25179605](#)). Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex (PubMed:[27193484](#)). Binds directly to HSC70 and HSP70 and regulates their ATPase activity (PubMed:[18759457](#)).

**Cellular Location**

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

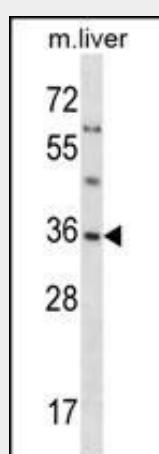
**Tissue Location**

Ubiquitous.

**SGTA Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SGTA Antibody (Center) - Images**

SGTA Antibody (Center) (Cat. #AP16027c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SGTA antibody detected the SGTA protein (arrow).

### **SGTA Antibody (Center) - 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) - 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)  
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Goodarzi, M.O., et al. *Hum. Reprod.* 23(5):1214-1219(2008)  
Buchanan, G., et al. *Cancer Res.* 67(20):10087-10096(2007)