

**SGTA antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15112****Specification**

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**SGTA antibody - C-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O43765</a>
Other Accession	<a href="#">NM_003021</a> , <a href="#">NP_003012</a>
Reactivity	<b>Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Predicted	<b>Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>34kDa KDa</b>

**SGTA antibody - C-terminal region - Additional Information****Gene ID** 6449**Alias Symbol** **SGT, alphaSGT, hSGT****Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-SGTA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SGTA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SGTA antibody - C-terminal region - 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: <http://www.uniprot.org/citations/28104892> target="\_blank">28104892</a>). 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: [25535373](http://www.uniprot.org/citations/25535373), PubMed: [28104892](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/23129660), PubMed: [25179605](http://www.uniprot.org/citations/25179605)). Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex (PubMed: [27193484](http://www.uniprot.org/citations/27193484)). Binds directly to HSC70 and HSP70 and regulates their ATPase activity (PubMed: [18759457](http://www.uniprot.org/citations/18759457)).

### Cellular Location

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

### Tissue Location

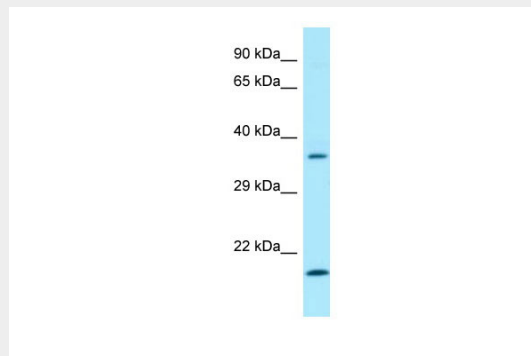
Ubiquitous.

## SGTA antibody - C-terminal region - 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 - C-terminal region - Images



WB Suggested Anti-SGTA Antibody Titration: 1.0 µg/ml  
Positive Control: Fetal Heart

## SGTA antibody - C-terminal region - References

Kordes E., et al. *Genomics* 52:90-94(1998).  
Liu F.H., et al. *J. Biol. Chem.* 274:34425-34432(1999).  
Callahan M.A., et al. *J. Virol.* 72:5189-5197(1998).  
Tobaben S., et al. Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.  
Wiemann S., et al. *Genome Res.* 11:422-435(2001).