

# SGTA antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15112

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O43765</a>
<b>Other Accession</b>	<a href="#">NM_003021</a> , <a href="#">NP_003012</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	34063

## Additional Information

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<b>Gene ID</b>	6449
<b>Alias Symbol</b> <b>Other Names</b>	SGT, alphaSGT, hSGT Small glutamine-rich tetratricopeptide repeat-containing protein alpha, Alpha-SGT, Vpu-binding protein, UBP, SGTA, SGT, SGT1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	SGTA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SGTA
<b>Synonyms</b>	SGT, SGT1
<b>Function</b>	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: <a href="#">28104892</a> ). Functions in tail- anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and the BAG6 complex a targeting module (PubMed: <a href="#">28104892</a> ). Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins (PubMed: <a href="#">25535373</a> , PubMed: <a href="#">28104892</a> ). 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.

## References

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Kordes E.,et al.Genomics 52:90-94(1998).

Liu F.H.,et al.J. Biol. Chem. 274:34425-34432(1999).

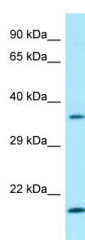
Callahan M.A.,et al.J. Virol. 72:5189-5197(1998).

Tobaben S.,et al.Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.

Wiemann S.,et al.Genome Res. 11:422-435(2001).

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.