

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

SGTA antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O43765
Other Accession	NM_003021 , NP_003012
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa

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: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

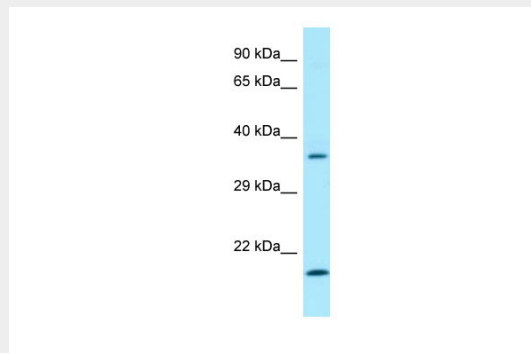
Ubiquitous.

SGTA antibody - 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).