

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

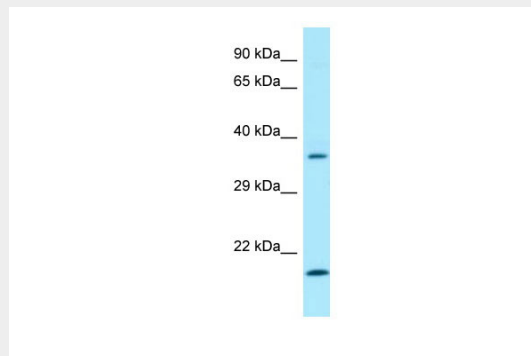
Ubiquitous.

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).