

**Goat anti-Sgta (mouse aa84-97) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4472a

### Specification

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#### Goat anti-Sgta (mouse aa84-97) Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">O43765</a>
Other Accession	<a href="#">NP_078775.1</a>
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	34063

#### Goat anti-Sgta (mouse aa84-97) Antibody - Additional Information

Gene ID 6449

#### Other Names

Sgta; small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha; 5330427H01Rik; A1194281; D10Ertd190e; Sgt; Stg; alpha-SGT; small glutamine-rich tetratricopeptide repeat (TPR) containing protein; small glutamine-rich tetratricopeptide repeat-c

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-Sgta (mouse aa84-97) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-Sgta (mouse aa84-97) Antibody - 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](http://www.uniprot.org/citations/28104892)). Functions in tail- anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and

the BAG6 complex a targeting module (PubMed:<a href="http://www.uniprot.org/citations/28104892" target="\_blank">28104892</a>). Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins (PubMed:<a href="http://www.uniprot.org/citations/25535373" target="\_blank">25535373</a>, PubMed:<a href="http://www.uniprot.org/citations/28104892" target="\_blank">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:<a href="http://www.uniprot.org/citations/23129660" target="\_blank">23129660</a>, PubMed:<a href="http://www.uniprot.org/citations/25179605" target="\_blank">25179605</a>). Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex (PubMed:<a href="http://www.uniprot.org/citations/27193484" target="\_blank">27193484</a>). Binds directly to HSC70 and HSP70 and regulates their ATPase activity (PubMed:<a href="http://www.uniprot.org/citations/18759457" target="\_blank">18759457</a>).

#### **Cellular Location**

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

#### **Tissue Location**

Ubiquitous.

### **Goat anti-Sgta (mouse aa84-97) Antibody - 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](#)

### **Goat anti-Sgta (mouse aa84-97) Antibody - Images**