

Rabbit SGTA Polyclonal Antibody | anti-SGTA antibody

Phospho-SGTA (Ser301) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328304	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Sheep, Dog, Chicken, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SGTA; Polyclonal Antibody; Phospho-SGTA (Ser301) Antibody; Alpha SGT; Alpha-SGT; AlphaSGT; hSGT; SGT; Sgt1; SGTA_HUMAN; Small glutamine rich protein with tetratricopeptide repeats 1; Small glutamine rich tetratricopeptide repeat containing protein alpha; Small glutamine rich tetratricopeptide repeat TPR containing alpha; Small glutamine rich tetratricopeptide repeat-containing protein; Small glutamine-rich tetratricopeptide repeat-containing protein alpha; Stg; UBP; Vpu binding protein; Vpu-binding protein; anti-SGTA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Sheep, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-SGTA (Ser301) Antibody detects endogenous levels of SGTA only when phosphorylated at Ser301.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	313
Applicable Applications for anti-SGTA antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SGTA around the phosphorylation site of Ser301.
Tissue Specificity	Ubiquitous.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of Mouse liver tissue sample, using Phospho-SGTA (Ser301) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-SGTA antibody

Description: 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). Probably functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins (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).

Subunit Structure: Homodimer (PubMed:15708368). Homooligomer (By similarity). Interacts with DNAJC5 and DNAJC5B. Interacts (via TPR repeats) with HSP90AA1 (PubMed:15708368). Interacts (via Gln-rich region) with SLC2A1 (PubMed:15708368). Interacts with HSP90AB1 (PubMed:16580629). Interacts (via TPR repeats) with HSPA8/Hsc70; the interaction is direct (PubMed:24675744). Interacts with BAG6 (via ubiquitin-like domain); interaction prevents interaction between BAG6 and RNF126 (PubMed:23129660, PubMed:25179605, PubMed:27193484). Forms a multiprotein complex, at least composed of DNAJB12, DNAJB14, HSPA8/Hsc70 and SGTA; interaction with DNAJB14 and HSPA8/Hsc70 is direct (PubMed:24675744).

Similarity: The second tetratricopeptide repeat (TPR 2) mediates the interaction with SARS-CoV accessory protein 7a. Belongs to the SGT family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8134666
NCBI GeneID	6449
UniProt Accession #	O43765
Molecular Weight	Observed: 34 kDa Predicted: 35 kDa
NCBI Official Full Name	Small glutamine-rich tetratricopeptide repeat-containing protein alpha
NCBI Official Synonym Full Names	small glutamine rich tetratricopeptide repeat containing alpha
NCBI Official Symbol	SGTA
NCBI Official Synonym Symbols	SGT; hSGT; alphaSGT
NCBI Protein Information	small glutamine-rich tetratricopeptide repeat-containing protein alpha
UniProt Protein Name	Small glutamine-rich tetratricopeptide repeat-containing protein alpha
UniProt Gene Name	SGTA
UniProt Synonym Gene Names	SGT; SGT1; UBP
UniProt Entry Name	SGTA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/sgta-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328304>