

SGTA Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16027c

Specification

SGTA Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O43765
Other Accession	Q32LM2 , NP_003012.1
Reactivity	Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34063
Antigen Region	78-106

SGTA Antibody (Center) - Additional Information

Gene ID 6449

Other Names

Small glutamine-rich tetratricopeptide repeat-containing protein alpha, Alpha-SGT, Vpu-binding protein, UBP, SGTA, SGT, SGT1

Target/Specificity

This SGTA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-106 amino acids from the Central region of human SGTA.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

SGTA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SGTA Antibody (Center) - 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

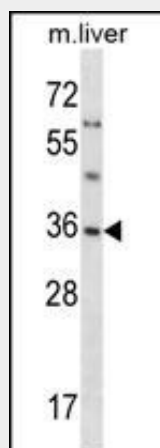
Ubiquitous.

SGTA Antibody (Center) - 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 (Center) - Images



SGTA Antibody (Center) (Cat. #AP16027c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SGTA antibody detected the SGTA protein (arrow).

SGTA Antibody (Center) - Background

This gene encodes a protein which is capable of interacting with the major nonstructural protein of parvovirus H-1 and 70-kDa heat shock cognate protein; however, its function is not known. Since this transcript is expressed ubiquitously in various tissues, this protein may serve a housekeeping function. [provided by RefSeq].

SGTA Antibody (Center) - References

Ewens, K.G., et al. J. Clin. Endocrinol. Metab. 95(5):2306-2315(2010)
Dutta, S., et al. Biochemistry 47(38):10123-10131(2008)
Dutta, S., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 64 (PT 7), 602-604 (2008) :
Goodarzi, M.O., et al. Hum. Reprod. 23(5):1214-1219(2008)
Buchanan, G., et al. Cancer Res. 67(20):10087-10096(2007)