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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

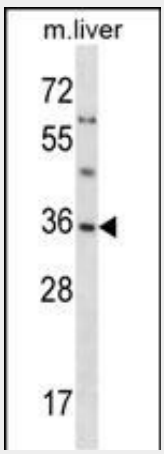
Tissue Location
Ubiquitous.

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 Cytomety
- 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).

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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)
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Goodarzi, M.O., et al. Hum. Reprod. 23(5):1214-1219(2008)
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