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Goat anti-Sgta (mouse aa84-97) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4472a

Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	O43765
Other Accession	NP_078775.1
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	Sgta
Calculated MW	34063

Additional Information

Gene ID	6449
Other Names	Sgta; small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha; 5330427H01Rik; AI194281; D10Ertd190e; Sgt; Stg; alpha-SGT; small glutamine-rich tetratricopeptide repeat (TPR) containing protein; small glutamine-rich tetratricopeptide repeat-c
Dilution	WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A
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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.