

## Immunotag™ SGTA Antibody

Antibody Specification	
Catalog No.	ITA2690
Product Description	Immunotag™ SGTA Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SGTA
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SGTA.
Specificity	SGTA antibody detects endogenous levels of SGTA.
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SGTA
Accession No.	O43765
Alternate Names	Alpha SGT; Alpha-SGT; AlphaSGT; hSGT; SGT; Sgt1; SGTA; 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;

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Description	<p>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).</p>
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	34-37 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.