

JQ002912
SGTA Antibody



- 50ul
- 100 uL

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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. Functions in tail-anchored/type II transmembrane proteins membrane insertion constituting with ASNA1 and the BAG6 complex a targeting module. Functions upstream of the BAG6 complex and ASNA1, binding more rapidly the transmembrane domain of newly synthesized proteins. 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. Competes with RNF126 for interaction with BAG6, preventing the ubiquitination of client proteins associated with the BAG6 complex. Binds directly to HSC70 and HSP70 and regulates their ATPase activity.(Microbial infection) In case of infection by polyomavirus, involved in the virus endoplasmic reticulum membrane penetration and infection via interaction with DNAJB12, DNAJB14 and HSPA8/Hsc70.

Uniprot : A0A1D5PBJ5, O43765

Alternative 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;

Reactivity : Chicken, Human, Mouse, Rat

Source : Mouse monoclonal

Mol.Wt. : 35kDa

Storage Condition : Store at -20 °C. Stable for 12 months from date of receipt.

Application : WB 1:500-1:2000, IHC 1:50-1:200, IP 1:50-100