
Product Name: KD-Validated Golgi Reassembly Stacking Protein 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01073**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 46.5kDa

Antigen Information

Gene Name	GORASP1
Alternative Names	GORASP1; Golgi Reassembly Stacking Protein 1; GRASP65; Golgi Phosphoprotein 5; GOLPH5; P65; Golgi Reassembly-Stacking Protein Of 65 KDa; Golgi Reassembly Stacking Protein 1, 65kDa; Golgi Peripheral Membrane Protein P65; Golgi Reassembly-Stacking Protein 1; FLJ23443; Golgi Reassembly And Stacking Protein 1
Gene ID	64689.0
SwissProt ID	Q9BQQ3
Immunogen	A synthesized peptide derived from human GRASP65

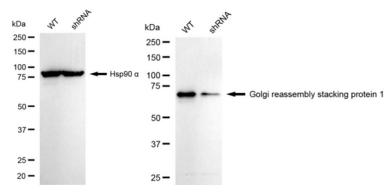
Background

The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a membrane protein involved in establishing the stacked structure of the Golgi apparatus. It is a caspase-3 substrate, and cleavage of this encoded protein contributes to Golgi fragmentation in apoptosis. This encoded protein can form a complex with the Golgi matrix protein GOLGA2, and this complex binds to the vesicle docking protein p115. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

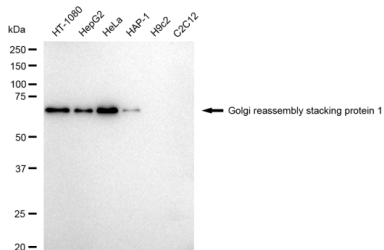
Research Area

Tags & Cell Markers, Cell Biology

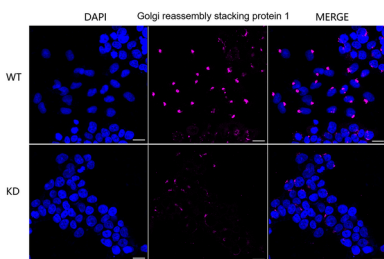
Image Data



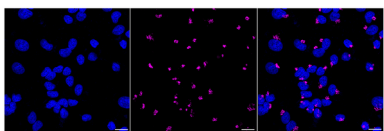
Western blotting analysis using golgi reassembly stacking protein 1 antibody (KVA01073). Golgi reassembly stacking protein 1 expression in wild type (WT) and golgi reassembly stacking protein 1 (GORASP1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with golgi reassembly stacking protein 1 antibody (KVA01073, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



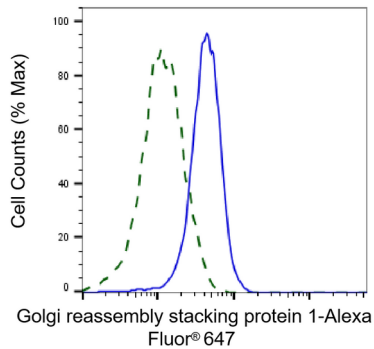
Western blotting analysis using Golgi reassembly stacking protein 1 antibody (KVA01073). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Golgi reassembly stacking protein 1 antibody (KVA01073, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



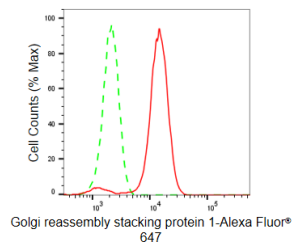
Immunocytochemical staining of HeLa cells using Golgi reassembly stacking protein 1 antibody (KVA01073, 1:1,000), Top panel: wild-type (WT); Bottom panel: Golgi reassembly stacking protein 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Golgi reassembly stacking protein 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HeLa cells with golgi reassembly stacking protein 1 antibody (KVA01073, 1:1,000). Nuclei were stained blue with DAPI; Golgi reassembly stacking protein 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Validation of Golgi reassembly stacking protein 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Golgi reassembly stacking protein 1 antibody (KVA01073, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Golgi reassembly stacking protein 1 expression in HeLa cells using Golgi reassembly stacking protein 1 antibody (KVA01073, 1:2,000). Green, isotype control; red, Golgi reassembly stacking protein 1.