

KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1527**Specification****KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q9BQQ3
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 46 kDa , observed, 65 kDa KDa
Gene Name	GORASP1
Aliases	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
Immunogen	A synthesized peptide derived from human GRASP65

KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody - Additional InformationGene ID **64689****Other Names**

Golgi reassembly-stacking protein 1, Golgi peripheral membrane protein p65, Golgi phosphoprotein 5, GOLPH5, Golgi reassembly-stacking protein of 65 kDa, GRASP65, GORASP1, GOLPH5, GRASP65

KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody - Protein Information**Name** GORASP1**Synonyms** GOLPH5, GRASP65**Function**

Key structural protein of the Golgi apparatus (PubMed:33301566). The membrane cisternae of the Golgi apparatus adhere to each other to form stacks, which are aligned side by side to form the Golgi ribbon (PubMed:33301566). Acting in

concert with GORASP2/GRASP55, is required for the formation and maintenance of the Golgi ribbon, and may be dispensable for the formation of stacks (PubMed:33301566). However, other studies suggest that GORASP1 plays an important role in assembly and membrane stacking of the cisternae, and in the reassembly of Golgi stacks after breakdown during mitosis (By similarity). Caspase-mediated cleavage of GORASP1 is required for fragmentation of the Golgi during apoptosis (By similarity). Also mediates, via its interaction with GOLGA2/GM130, the docking of transport vesicles with the Golgi membranes (PubMed:16489344). Mediates ER stress-induced unconventional (ER/Golgi-independent) trafficking of core-glycosylated CFTR to cell membrane (PubMed:21884936).

Cellular Location

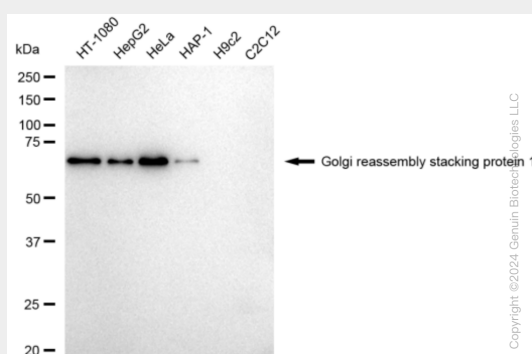
Golgi apparatus, cis-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum- Golgi intermediate compartment membrane

KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody - Protocols

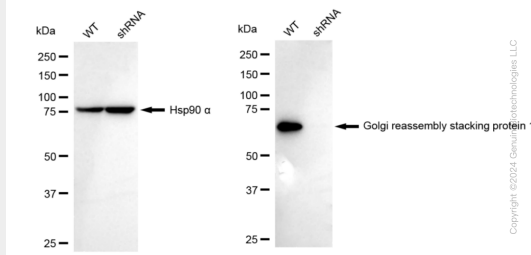
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

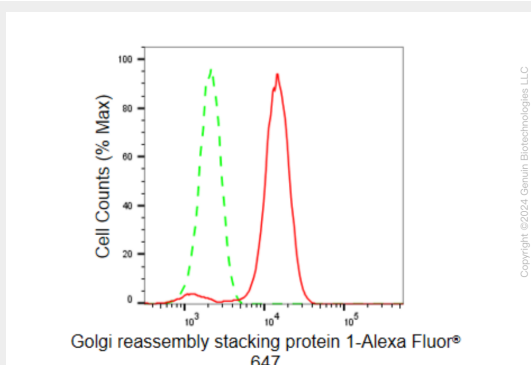
KD-Validated Anti-Golgi reassembly stacking protein 1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Golgi reassembly stacking protein 1 antibody (Cat#AGI1527). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Golgi reassembly stacking protein 1 antibody (Cat#AGI1527, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Golgi reassembly stacking protein 1 antibody (Cat#AGI1527). Golgi reassembly stacking protein 1 expression in wild type (WT) and Golgi reassembly stacking protein 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Golgi reassembly stacking protein 1 antibody (Cat#AGI1527, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Golgi reassembly stacking protein 1 expression in HeLa cells using Golgi reassembly stacking protein 1 antibody (Cat#AGI1527, 1:2,000). Green, isotype control; red, Golgi reassembly stacking protein 1.