

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

Rabbit monoclonal antibody

Catalog # AGI1527

Product Information

Application	WB, FC
Primary Accession	Q9BQQ3
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5580
Calculated MW	46482
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

Additional Information

Gene 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

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

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