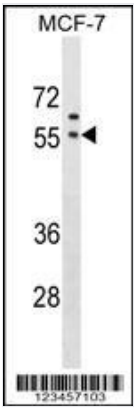
GORASP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GORASP1, Polyclonal Antibody
Full Product Name	GORASP1, ID (GORASP1, GOLPH5, GRASP65, Golgi reassembly-stacking protein 1, Golgi peripheral membrane protein p65, Golgi phosphoprotein 5, Golgi reassembly-stacking protein of 65kD) (AP)
Product Gene Name	anti-GORASP1 antibody
Product Synonym Names	GORASP1; GOLPH5; GRASP65; Golgi reassembly-stacking protein 1; Golgi peripheral membrane protein p65; Golgi phosphoprotein 5; Golgi reassembly-stacking protein of 65kD
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	26,237 Da
OMIM	606867
3D Structure	ModBase 3D Structure for Q9BQQ3
Immunogen	GORASP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-119 amino acids from the Central region of human GORASP1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-GORASP1 antibody	Antibodies; Golgi Proteins
Applications Tested/Suitable for anti-GORASP1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-GORASP1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GORASP1 antibody	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. Several alternatively spliced transcript variants of this gene have been identified, but their full-length natures have not been determined.
Product References and Citations for anti-GORASP1 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Tang, D., et al. Traffic 11(6):827-842(2010). Xiang, Y., et al. J. Cell Biol. 188(2):237-251(2010). D'Angelo, G., et al. J. Biol. Chem. 284(50):34849-34860(2009). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009).

Other Notes	Small volumes of anti-GORASP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GORASP1 purchase	MBS6303293 is an antibody targeting GORASP1. Also known as GORASP1, ID (GORASP1, GOLPH5, GRASP65, Golgi reassembly-stacking protein 1, Golgi peripheral membrane protein p65, Golgi phosphoprotein 5, Golgi reassembly-stacking protein of 65kD) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GORASP1 antibody
GORASP1 Antibody (Center) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the GORASP1 antibody detected the GORASP1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GORASP1. It may not necessarily be applicable to this product.

NCBI GI #	13994253
NCBI GeneID	64689
NCBI Accession #	NP_114105.1
UniProt Primary Accession #	Q9BQQ3
UniProt Secondary Accession #	Q3SYG7; Q8N272; Q96H42; B3KWC8
UniProt Related Accession #	Q9BQQ3
GenBank Nucleotide #	NM_031899.3
NCBI Official Full Name	Golgi reassembly-stacking protein 1 isoform 1
NCBI Official Synonym Full Names	golgi reassembly stacking protein 1, 65kDa
NCBI Official Symbol	GORASP1
NCBI Official Synonym Symbols	P65; GOLPH5; GRASP65
UniProt Protein Name	Golgi reassembly-stacking protein 1
UniProt Synonym Protein Names	Golgi peripheral membrane protein p65; Golgi phosphoprotein 5; GOLPH5; Golgi reassembly-stacking protein of 65 kDa; GRASP65
Protein Family	Golgi reassembly-stacking protein
UniProt Gene Name	GORASP1
UniProt Synonym Gene Names	GOLPH5; GRASP65; GOLPH5; GRASP65
UniProt Entry Name	GORS1_HUMAN
NCBI Protein Information	Golgi reassembly-stacking protein 1; Golgi phosphoprotein 5; Golgi peripheral membrane protein p65; Golgi reassembly and stacking protein 1; golgi reassembly-stacking protein of 65 kDa

UniProt Comments for GORASP1	GRASP65: Stacking factor involved in the postmitotic assembly of Golgi stacks from mitotic Golgi fragments. Key structural protein required for the maintenance of the Golgi apparatus integrity: its caspase-mediated cleavage is required for fragmentation of the Golgi during apoptosis. Also mediates, via its interaction with GM130, the docking of transport vesicles with the Golgi membranes. Belongs to the GORASP family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 3p22-p21.33 Cellular Component: Golgi membrane; Golgi apparatus Biological Process: protein transport; negative regulation of dendrite morphogenesis; mitotic cell cycle; Golgi organization and biogenesis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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