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GRASP55 Polyclonal Antibody
Catalog # AP70236

Specification

GRASP55 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9H8Y8
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

GRASP55 Polyclonal Antibody - Additional Information

Gene ID 26003

Other Names
GORASP2; GOLPH6; Golgi reassembly-stacking protein 2; GRS2; Golgi phosphoprotein 6; GOLPH6; Golgi reassembly-stacking protein of 55 kDa; GRASP55; p59

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

GRASP55 Polyclonal Antibody - Protein Information

Name GORASP2

Synonyms GOLPH6

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 GORASP1/GRASP65, 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 GORASP2 plays a role in the assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after breakdown during mitosis and meiosis (PubMed:<a href="http://www.uniprot.org/citations/10487747"

target="_blank">10487747, PubMed:21515684, PubMed:22523075). May regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA (PubMed:11101516). Required for normal acrosome formation during spermiogenesis and normal male fertility, probably by promoting colocalization of JAM2 and JAM3 at contact sites between germ cells and Sertoli cells (By similarity). Mediates ER stress-induced unconventional (ER/Golgi-independent) trafficking of core-glycosylated CFTR to cell membrane (PubMed:21884936, PubMed:27062250, PubMed:28067262).

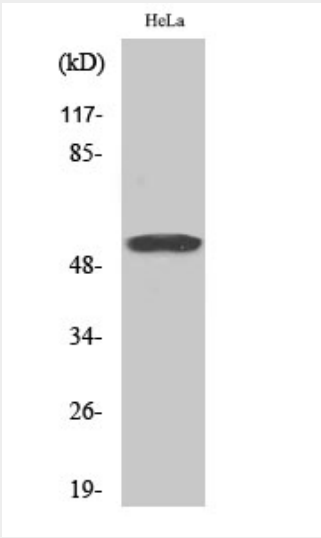
Cellular Location
Golgi apparatus membrane; Lipid-anchor. Endoplasmic reticulum membrane. Golgi apparatus. Note=Detected in the intermediate Golgi, membrane-associated (By similarity). ER stress triggers its relocalization from Golgi to ER membrane (PubMed:27062250, PubMed:28067262). {ECO:0000250|UniProtKB:Q9R064, ECO:0000269|PubMed:27062250, ECO:0000269|PubMed:28067262}

GRASP55 Polyclonal 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 Cytomety
- Cell Culture

GRASP55 Polyclonal Antibody - Images



GRASP55 Polyclonal Antibody - Background

Plays a role in the assembly and membrane stacking of the Golgi cisternae, and in the process by which Golgi stacks reform after breakdown during mitosis and meiosis (PubMed:10487747, PubMed:21515684, PubMed:22523075). May regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA (PubMed:11101516). Required for normal acrosome formation during spermiogenesis and normal male fertility, probably by promoting colocalization of JAM2 and JAM3 at contact sites between germ cells and Sertoli cells (By similarity). Mediates ER stress- induced unconventional (ER/Golgi-independent) trafficking of core- glycosylated CFTR to cell membrane (PubMed:21884936, PubMed:27062250, PubMed:28067262).