

GRASP55 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51234**Specification**

GRASP55 Antibody - Product Information

Application	WB
Primary Accession	Q9H8Y8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55 KDa
Antigen Region	161 - 220

GRASP55 Antibody - Additional Information**Gene ID** 26003**Other Names**

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

Target/Specificity

KLH conjugated synthetic peptide derived from human GRASP55

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GRASP55 Antibody - Protein Information**Name** GORASP2**Synonyms** GOLPH6**Function**

Key structural protein of the Golgi apparatus (PubMed: [33301566](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/33301566)).

href="http://www.uniprot.org/citations/33301566" target="_blank">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: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

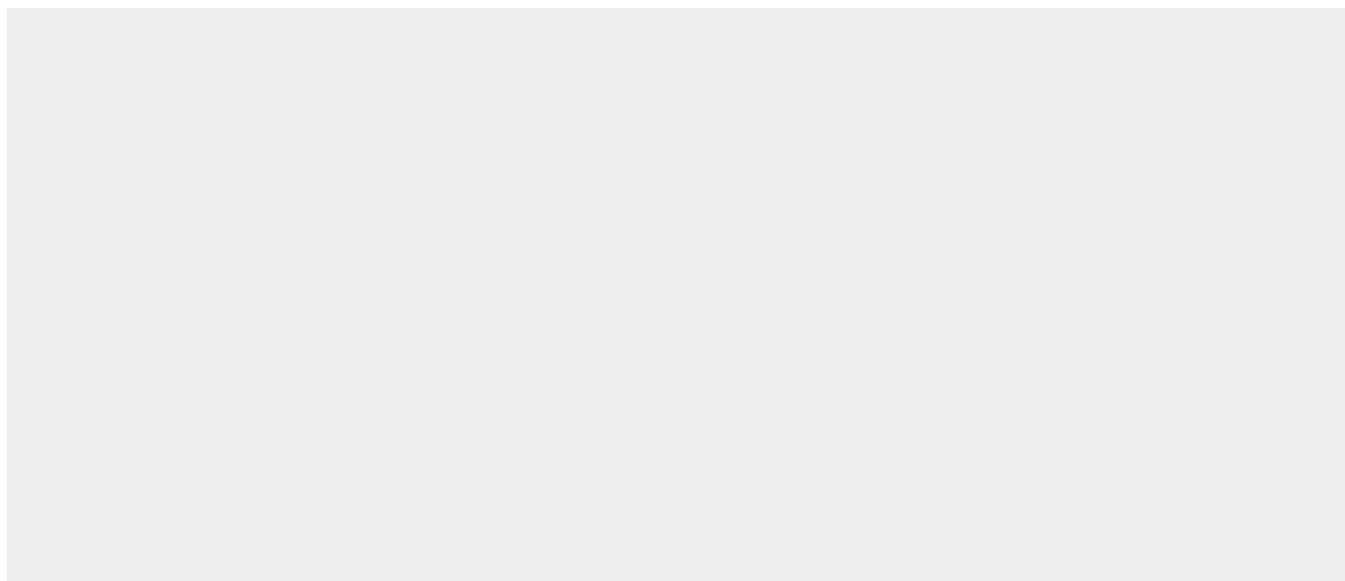
Golgi apparatus membrane; Lipid-anchor. Endoplasmic reticulum membrane. Golgi apparatus. Note=Detected in the intermediate Golgi, membrane-associated (By similarity). ER stress triggers its relocation from Golgi to ER membrane (PubMed:27062250, PubMed:28067262). {ECO:0000250|UniProtKB:Q9R064, ECO:0000269|PubMed:27062250,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

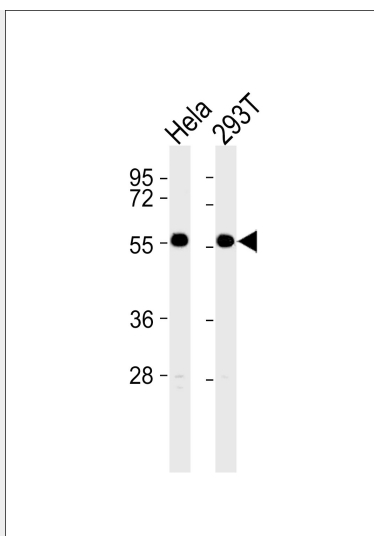
GRASP55 Antibody - Protocols

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](#)

GRASP55 Antibody - Images





All lanes : Anti-GRASP55 Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: 293T whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

GRASP55 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 mitotic breakdown. May regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA.

GRASP55 Antibody - References

Kuo A.,et al.EMBO J. 19:6427-6439(2000).
Jesch S.A.,et al.Mol. Biol. Cell 12:1811-1817(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).