

Rabbit GORASP1 Polyclonal Antibody | anti-GORASP1 antibody

GORASP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327993	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

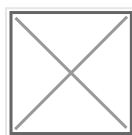
PRODUCT SYNONYMS

GORASP1; Polyclonal Antibody; GORASP1 Antibody; FLJ23443; Golgi peripheral membrane protein p65; Golgi phosphoprotein 5; Golgi reassembly and stacking protein 1; Golgi reassembly and stacking protein 65 kDa; Golgi reassembly and stacking protein; 65-kD; Golgi reassembly stacking protein 1 65kDa; Golgi reassembly stacking protein 1; Golgi reassembly stacking protein of 65 kDa; Golgi reassembly-stacking protein 1; Golgi reassembly-stacking protein of 65 kDa; GOLPH 5; GOLPH5; Gorasp 1; GORS1_HUMAN; GRASP 65; GRASP65; MGC118894; MGC118897; P65; anti-GORASP1 antibody

PRODUCT SPECIFICATIONS

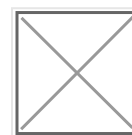
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GORASP1 antibody detects endogenous levels of total GORASP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	345
Applicable Applications for anti-GORASP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GORASP1
Subcellular Location	Golgi Apparatus > Cis-Golgi Network Membrane. Undergoes rapid exchange with the cytosol.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using GORASP1 Antibody.



IHC (Immunohistochemistry)

AAA327993 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis GORASP1 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GORASP1 antibody

Function: 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 (By similarity). Also mediates, via its interaction with GOLGA2/GM130, the docking of transport vesicles with the Golgi membranes (PubMed:16489344).

Subunit Structure: Homodimer. Forms higher-order oligomers under interphase but not mitotic conditions. Dimers of the protein on one membrane might be able to interact with dimers on another and so stack cisternae (By similarity). Interacts with the C-terminus of GOLGA2/GM130 under both mitotic and non-mitotic conditions (PubMed:16489344). The interaction is critical for the correct targeting of both proteins to the cis-Golgi (By similarity). The complex binds to the vesicle docking protein p115/USO1. Interacts with TMED2 and TMED3 (By similarity).

Post-translational Modifications: Phosphorylated by CDC2/B1 and PLK kinases during mitosis. Phosphorylation cycle correlates with the cisternal stacking cycle. Phosphorylation of the homodimer prevents the association of dimers into higher-order oligomers, leading to cisternal unstacking. Target for caspase-3 cleavage during apoptosis. The cleavage contributes to Golgi fragmentation and occurs very early in the execution phase of apoptosis (By similarity).

Similarity: Belongs to the GORASP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525313685
NCBI GeneID	64689
NCBI Accession #	NP_001265718.1
NCBI GenBank Nucleotide #	NM_001278789.1
UniProt Accession #	Q9BQQ3; Q3SYG7; Q8N272; Q96H42; B3KWC8
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	Golgi reassembly-stacking protein 1 isoform 2
NCBI Official Synonym Full Names	golgi reassembly stacking protein 1
NCBI Official Symbol	GORASP1
NCBI Official Synonym Symbols	P65; GOLPH5; GRASP65
NCBI Protein Information	Golgi reassembly-stacking protein 1
UniProt Protein Name	Golgi reassembly-stacking protein 1
UniProt Gene Name	GORASP1
UniProt Synonym Gene Names	GOLPH5; GRASP65; GOLPH5; GRASP65

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gorasp1-antibody-immunohistochemistry-western-blot-elisa/327993>