

DATASHEET

GRASP65 Rabbit Monoclonal Antibody(C1871)

CAT. NO. AMA01483

KEY FEATURES

Target	GRASP65	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IF/ICC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Key structural protein of the Golgi apparatus . 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 . 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 . 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 . Caspase-mediated cleavage of GORASP1 is required for fragmentation of the Golgi during apoptosis . Also mediates, via its interaction with GOLGA2/GM130, the docking of transport vesicles with the Golgi membranes .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant rabbit monoclonal antibody to GRASP65
Specificity	Recognizes endogenous levels of GRASP65 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human GRASP65 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 46 kD; Observed: 46, 65 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	GOLPH5; GRASP65; Golgi reassembly-stacking protein 1; Golgi peripheral membrane protein p65; Golgi phosphoprotein 5; GOLPH5; Golgi reassembly-stacking protein of 65 kDa; GRASP65
Gene Symbol	GORASP1
Entrez Gene	64689(Human); 74498(Mouse)
SwissProt	Q9BQQ3(Human); Q91X51(Mouse); O35254(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

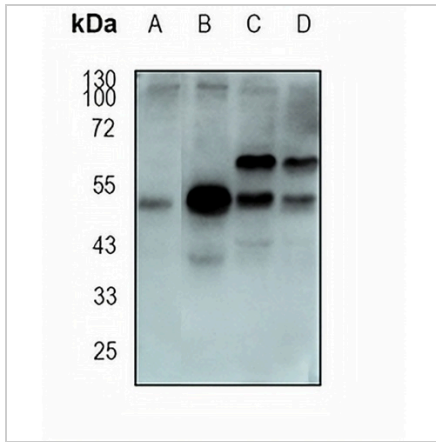
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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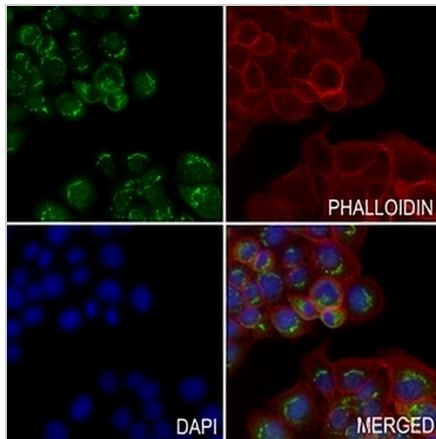
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Western blot analysis of GRASP65 expression in mouse liver (A), rat brain (B), HEK293T (C), MDAMB231 (D) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 46, 65 kD)



Immunofluorescent analysis of GRASP65 staining in Hacat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.