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# Datasheet for ABIN1715031 anti-GORASP2 antibody (AA 151-250)

Image



### Overview

Quantity:	100 μL
Target:	GORASP2
Binding Specificity:	AA 151-250
Reactivity:	Mouse, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GORASP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Golgi phosphoprotein 6
Isotype:	lgG
Cross-Reactivity:	Mouse, Xenopus laevis
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Horse,Rabbit,Zebrafish
Purification:	Purified by Protein A.

### Target Details

Target:

#### GORASP2

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Alternative Name:	Golgi phosphoprotein 6 (GORASP2 Products)
Background:	Synonyms: Golgi phosphoprotein 6, Golgi reassembly stacking protein 2, Golgi reassembly
	stacking protein 2, 55 kDa, Golgi reassembly stacking protein of 55 kDa, Golgi reassembly-
	stacking protein 2, Golgi reassembly-stacking protein of 55 kDa, GOLPH2, GOLPH6, GORASP2,
	GORS2_HUMAN, GRASP55, GRS2, p59, RP23-428015.1.
	Background: The Golgi apparatus is a highly complex organelle comprised of a stack of
	cisternal membranes on the secretory pathway from the ER to the cell surface. The structure i
	maintained by an exoskeleton or Golgi matrix constructed from a family of coiled-coil protein,
	the golgins and other peripheral membrane components such as GRASP55 and GRASP65 (1).
	GRASP55 (Golgi reassembly stacking protien or p59) is a component of the Golgi stacking
	machinery. GRASP55 is highly homologous to GRASP65 and contains two PDZ domains.
	GRASP55 is myristoylated and palmitoylated. Unlike GRASP65, GRASP55 does not have
	detectable binding with the vesicle docking protein GM130 and is located on the medial-Golgi
	rather than cis-Golgi. Both GRASP55 and GRASP65 function in the stacking of Golgi Cisternae
	(2,3). The novel coiled-coil protein golgin 45 interacts with GRASP55 and the GTP form of Rab
	2, suggesting that GRASP55 and golgin 45 form a Rab 2 effector complex on medial-Golgi
	essential for normal protein transport and Golgi structure (4). ERK2 directly phosphorylates
	GRASP55, which is phosphorylated in mitotic cells, suggesting that mitogen-activated protein
	kinase kinase (MKK)/ERK pathway phosphorylates the Golgi during mitosis (5).
Gene ID:	26003
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

Handling

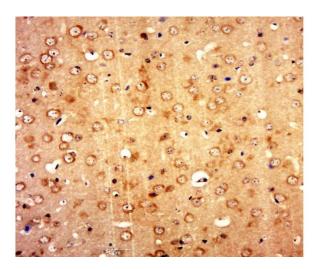
Format:

Liquid

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Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

### Images



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-GARASP2 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining