

For Research Use Only

# GORASP2 Polyclonal antibody

Catalog Number:10598-1-AP

Featured Product

71 Publications



## Basic Information

### Catalog Number:

10598-1-AP

### Size:

150ul , Concentration: 300 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0950

### GenBank Accession Number:

BC007770

### GeneID (NCBI):

26003

### UNIPROT ID:

Q9H8Y8

### Full Name:

golgi reassembly stacking protein 2,

55kDa

### Calculated MW:

55 kDa

### Observed MW:

59 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, monkey

### Positive Controls:

WB : COLO 320 cells, rat testis tissue, HeLa cells, Raji cells

IP : HeLa cells,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

GORASP2 (Golgi reassembly-stacking protein 2, or GRS2) has multiple phosphorylation sites and can be phosphorylated by MKK/ERK pathway during mitosis. GORASP2 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. GORASP2 is supposed to regulate the intracellular transport and presentation of a defined set of transmembrane proteins, such as transmembrane TGFA.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jennifer Y Liu	34533192	Biol Open	IF
Xihua Yue	34493279	BMC Biol	WB
Myun Hwa Dunlop	28874656	Nat Commun	

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

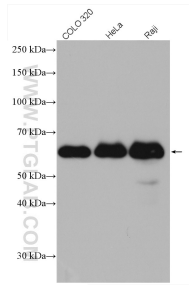
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

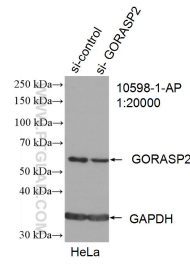
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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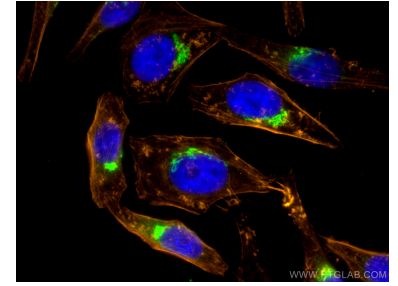
## Selected Validation Data



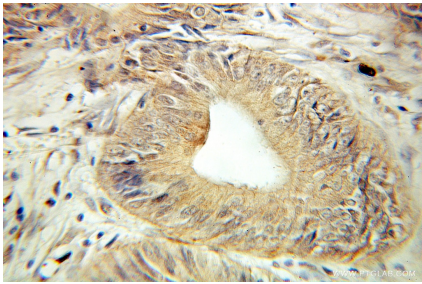
Various lysates were subjected to SDS PAGE followed by western blot with 10598-1-AP (GORASP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



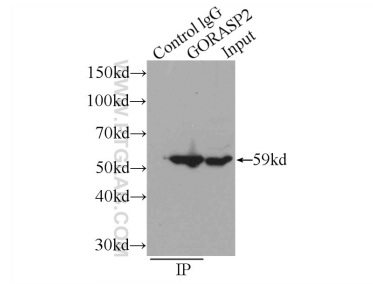
WB result of GORASP2 antibody (10598-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GORASP2 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GORASP2 antibody (10598-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL555-Phalloidin (orange).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10598-1-AP (GORASP2 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-GORASP2 (IP:10598-1-AP, 3ug; Detection:10598-1-AP 1:700) with HeLa cells lysate 1320ug.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GORASP2 antibody (10598-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).