

For Research Use Only

GORASP2 Polyclonal antibody

Catalog Number:10598-1-AP

Featured Product

71 Publications



Basic Information

Catalog Number:

10598-1-AP

Concentration:

450 ug/ml

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

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

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,

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

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

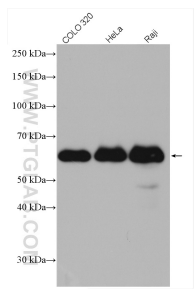
T: 4006900926

E: Proteintech-CN@ptglab.com

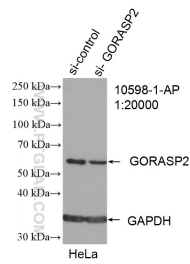
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

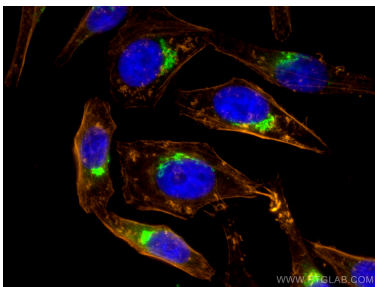
Selected Validation Data



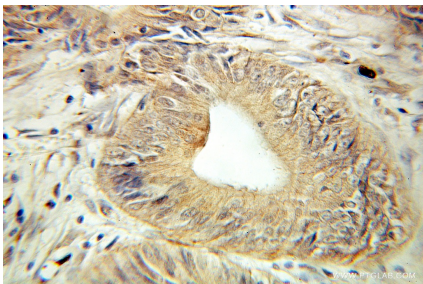
Various lysates were subjected to SDS PAGE followed by western blot with 10598-1-AP (GORASP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



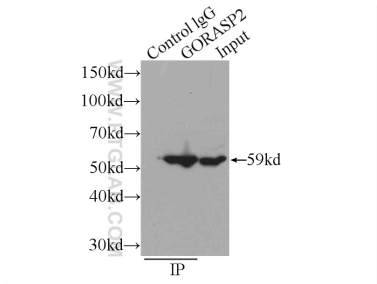
WB result of GORASP2 antibody (10598-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GORASP2 transfected HeLa cells.



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).