

For Research Use Only

GORASP2 Polyclonal antibody

Catalog Number: 10598-1-AP

Featured Product

59 Publications



Basic Information

| | | |
|---|---|---|
| Catalog Number: 10598-1-AP | GenBank Accession Number: BC007770 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 450 µg/ml by Nanodrop; | GeneID (NCBI): 26003 | 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 1:50-1:500 |
| Source: Rabbit | Full Name: golgi reassembly stacking protein 2, 55kDa | |
| Isotype: IgG | Calculated MW: 55 kDa | |
| Immunogen Catalog Number: AG0950 | Observed MW: 59 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IF, IHC, IP, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, WB | WB : COLO 320 cells, rat testis tissue, HeLa cells, Raji cells |
| Species Specificity: human, mouse, rat | IP : HeLa cells, |
| Cited Species: human, mouse, monkey | IHC : human colon cancer tissue, |
| | IF : 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

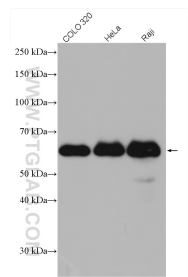
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

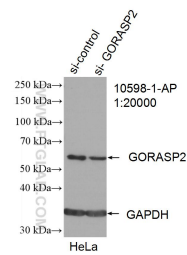
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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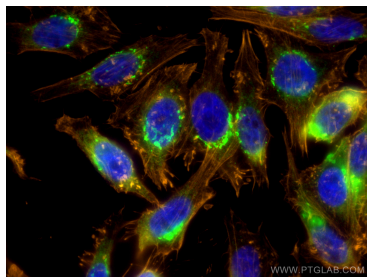
Selected Validation Data



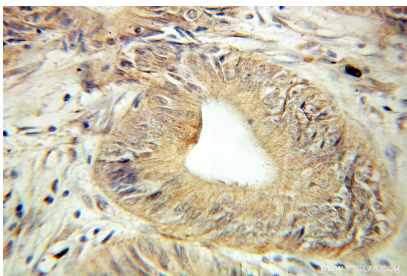
Various lysates were subjected to SDS PAGE followed by western blot with 10598-1-AP (GORASP2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



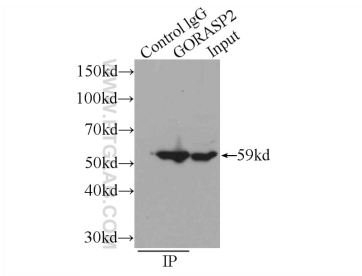
WB result of GORASP2 antibody (10598-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GORASP2 transfected HeLa cells.



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.