

For Research Use Only

GORASP2 Recombinant antibody

Catalog Number: 85077-5-RR



Basic Information

Catalog Number: 85077-5-RR	GenBank Accession Number: BC007770	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 26003	CloneNo.: 242700C11
Source: Rabbit	UNIPROT ID: Q9H8Y8	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:500-1:2000
Isotype: IgG	Full Name: golgi reassembly stacking protein 2, 55kDa	
Immunogen Catalog Number: AG0950	Calculated MW: 55 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

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 : HCT 116 cells, HeLa cells, Raji cells, COLO 320 cells, MDA-MB-453 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.

Storage

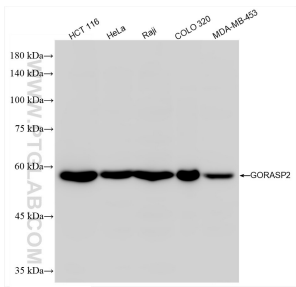
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 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

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

Selected Validation Data



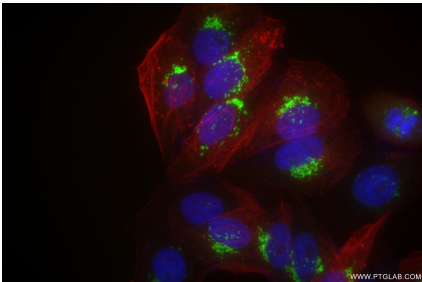
Various lysates were subjected to SDS PAGE followed by western blot with 85077-5-RR (GORASP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



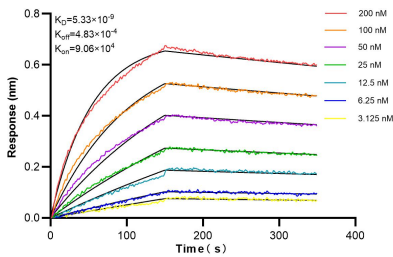
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85077-5-RR (GORASP2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85077-5-RR (GORASP2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GORASP2 antibody (85077-5-RR, Clone: 242700C11) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85077-5-RR against Human GORASP2 were performed. The affinity constant is 5.33 nM.