

For Research Use Only

GOLIM4 Recombinant antibody

Catalog Number:84818-5-RR



Basic Information

Catalog Number: 84818-5-RR	GenBank Accession Number: NM_014498	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27333	CloneNo.: 242323F4
Source: Rabbit	UNIPROT ID: O00461	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: golgi integral membrane protein 4	
Immunogen Catalog Number: AG34962	Calculated MW: 82 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse

Positive Controls:
WB : HeLa cells, HepG2 cells, HEK-293 cells, MCF-7 cells, HT-1080 cells, L02 cells, C2C12 cells

IF/ICC : U2OS cells,

Background Information

Golgi integral membrane protein 4 (GOLIM4) is a 130-kDa membrane protein that is integrated into the cis/medial Golgi apparatus, which is a kind II Golgi protein. GOLIM4 is a Golgi protein that circulates between Golgi apparatus and endosomes, and its shuttle is pH sensitive(PMID:30068697).

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

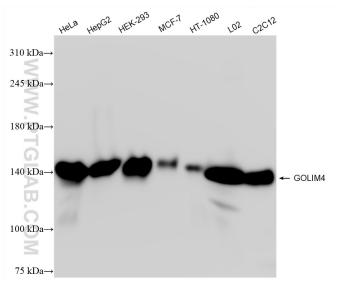
For technical support and original validation data for this product please contact:

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

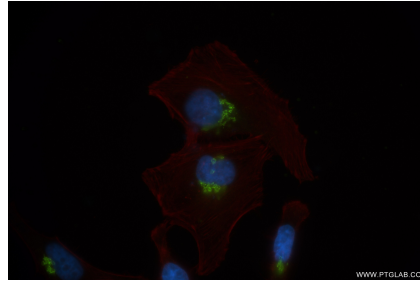
E: proteintech@ptglab.com
W: ptglab.com

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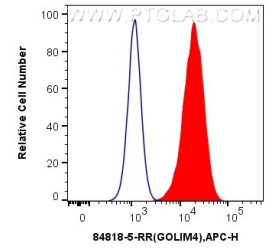
Selected Validation Data



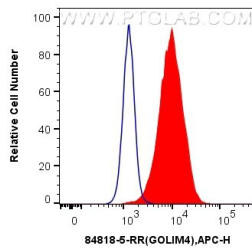
Various lysates were subjected to SDS PAGE followed by western blot with 84818-5-RR (GOLIM4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



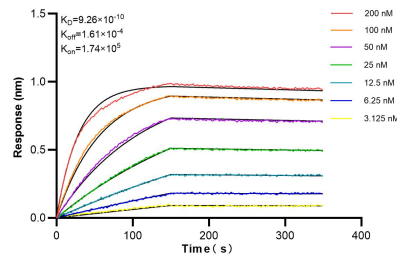
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using GOLIM4 antibody (84818-5-RR, Clone: 242323F4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug GOLIM4 Recombinant antibody (84818-5-RR, Clone:242323F4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug GOLIM4 Recombinant antibody (84818-5-RR, Clone:242323F4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84818-5-RR against Human GOLIM4 were performed. The affinity constant is 0.926 nM.