

For Research Use Only

COG1 Monoclonal antibody

Catalog Number: 68642-1-Ig



Basic Information

Catalog Number: 68642-1-Ig	GenBank Accession Number: BC021985	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9382	CloneNo.: 2D8D11
Source: Mouse	UNIPROT ID: Q8WTW3	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: component of oligomeric golgi complex 1	
Immunogen Catalog Number: AG33924	Calculated MW: 109 kDa	
	Observed MW: 100-109 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, rabbit	WB : HepG2 cells, LNCaP cells, Jurkat cells IF/ICC : U2OS cells,

Background Information

COG1 is one protein of the COG complex which is a heterooctameric complex that regulates intraGolgi trafficking and the integrity of the Golgi compartment in eukaryotic cells. It is reported that this protein is required for steps in the normal medial and trans-Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex. COG1 has a calculated molecular weight of 109 kDa and western blot analysis detected COG1 at 100-109 kDa (PMID: 16537452).

Storage

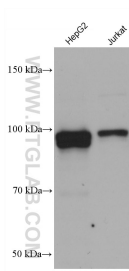
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

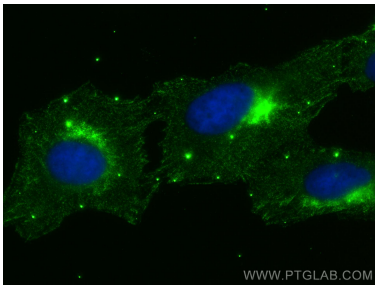
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

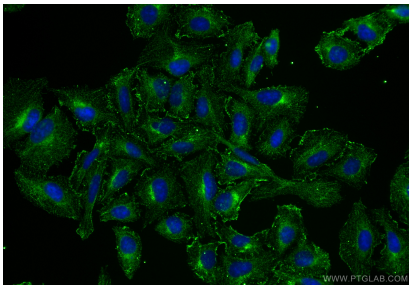
Selected Validation Data



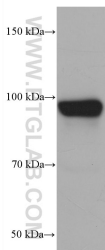
Various lysates were subjected to SDS PAGE followed by western blot with 68642-1-Ig (COG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using COG1 antibody (68642-1-Ig, Clone: 2D8D11) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using COG1 antibody (68642-1-Ig, Clone: 2D8D11) at dilution of 1:1500 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



LNCaP cells were subjected to SDS PAGE followed by western blot with 68642-1-Ig (COG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.