

For Research Use Only

COG1 Monoclonal antibody

Catalog Number: 68642-1-Ig



Basic Information

Catalog Number:

68642-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33924

GenBank Accession Number:

BC021985

GeneID (NCBI):

9382

UNIPROT ID:

Q8WTW3

Full Name:

component of oligomeric golgi complex 1

Calculated MW:

109 kDa

Observed MW:

100-109 kDa

Purification Method:

Protein G purification

CloneNo.:

2D8D11

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, rabbit

Positive Controls:

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

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

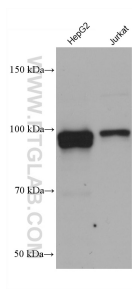
T: 4006900926

E: Proteintech-CN@ptglab.com

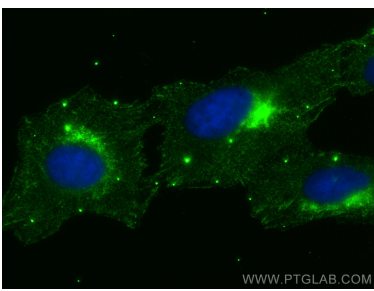
W: ptgcn.com

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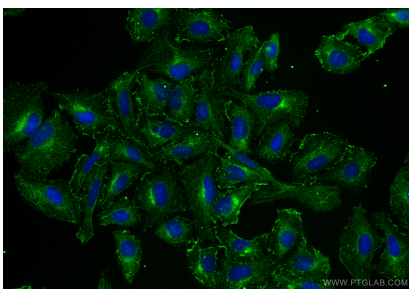
Selected Validation Data



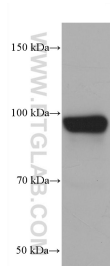
Various lysates were subjected to SDS PAGE followed by western blot with 68642-1-Ig (COG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.