

For Research Use Only

COG8 Polyclonal antibody

Catalog Number: 12661-1-AP

1 Publications



Basic Information

Catalog Number: 12661-1-AP	GenBank Accession Number: BC017492	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84342	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96MW5	
Isotype: IgG	Full Name: component of oligomeric golgi complex 8	
Immunogen Catalog Number: AG3341	Calculated MW: 612 aa, 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells, Raji cells IHC : human ovary cancer tissue, IF/ICC : A431 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

The conserved oligomeric Golgi (COG) complex is an eight subunit (COG1-8) peripheral Golgi membrane hetero-oligomeric protein complex. The COG complex is organized into lobes A (COG2-4) and B (COG5-7) with COG1 and COG8 bridging these lobes and is thought to play a critical role in vesicle tethering processes (PMID: 17331980). Cog8 localizes exclusively in the Golgi apparatus and is involved in the retrograde Golgi transport of resident proteins responsible for sugar chain (glycan) biosynthesis (PMID: 17220172).

Notable Publications

Author	Pubmed ID	Journal	Application
Xihua Yue	34876695	Commun Biol	WB

Storage

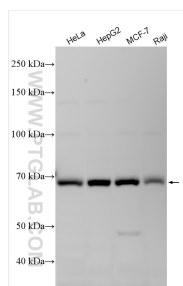
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

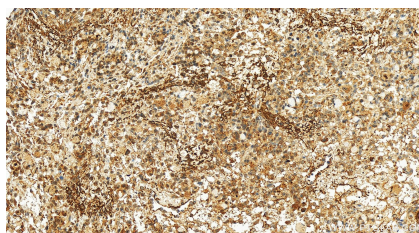
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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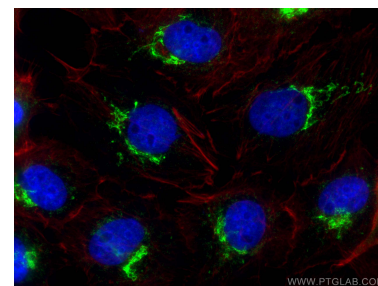
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12661-1-AP (COG8 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 12661-1-AP (COG8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using COG8 antibody (12661-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).