

For Research Use Only

# COG8 Polyclonal antibody, PBS Only

Catalog Number: 12661-1-PBS



## Basic Information

Catalog Number:

12661-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3341

GenBank Accession Number:

BC017492

GeneID (NCBI):

84342

UNIPROT ID:

Q96MW5

Full Name:

component of oligomeric golgi complex 8

Calculated MW:

612 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

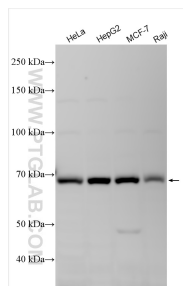
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

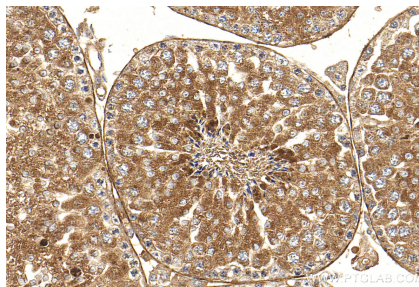
W: [ptgcn.com](http://ptgcn.com)

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

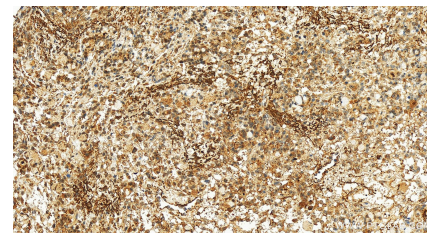
## Selected Validation Data



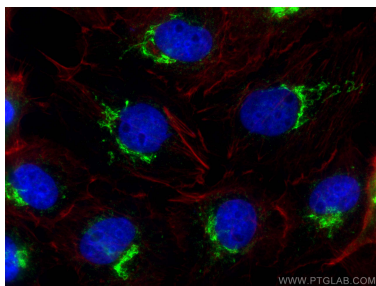
Various lysates were subjected to SDS PAGE followed by western blot with 12661-1-AP (COG8 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12661-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12661-1-AP (COG8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12661-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 12661-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 12661-1-PBS in a different storage buffer formulation.