

For Research Use Only

COG4 Polyclonal antibody

Catalog Number: 31539-1-AP



Basic Information

Catalog Number: 31539-1-AP	GenBank Accession Number: NM_001365426.1	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 25839	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H9E3	
Isotype: IgG	Full Name: component of oligomeric golgi complex 4	
Immunogen Catalog Number: AG35295	Calculated MW: 89kDa 785aa	
	Observed MW: 89 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HT-1080 cells, mouse spermatophore tissue, MRC-5 cells, hTERT-RPE1 cells, mouse testis tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse testis tissue,

Background Information

COG complex subunit 4 is present in high molecular weight complexes that govern membrane movement between the Golgi and ER. Cog4 dependent trafficking and secretion of ECM components are required for protrusion and extension of the epithelial projections of the inner ear (PMID: 30287385). Loss-of-function COG4-mutant cells have impaired glycosylation and reduced COG4 protein levels (PMID: 30290151).

Storage

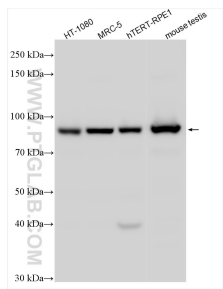
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

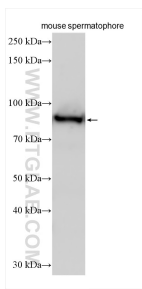
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

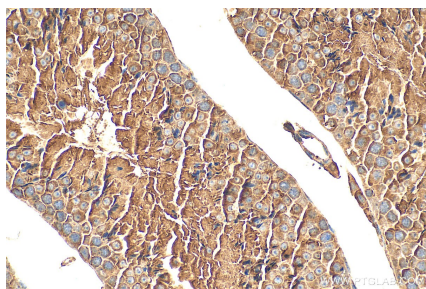
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31539-1-AP (COG4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 31539-1-AP (COG4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 31539-1-AP (COG4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).