

For Research Use Only

COG4 Polyclonal antibody

Catalog Number: 31539-1-AP



Basic Information

Catalog Number:

31539-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35295

GenBank Accession Number:

NM_001365426.1

GeneID (NCBI):

25839

UNIPROT ID:

Q9H9E3

Full Name:

component of oligomeric golgi complex 4

Calculated MW:

89kDa, 785aa

Observed MW:

89 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HT-1080 cells, mouse spermatophore tissue, MRC-5 cells, hTERT-RPE1 cells, mouse testis tissue

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

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

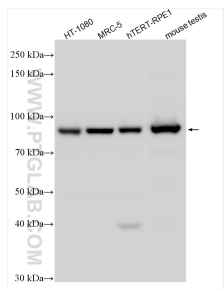
T: 4006900926

E: Proteintech-CN@ptglab.com

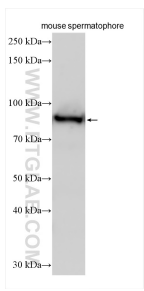
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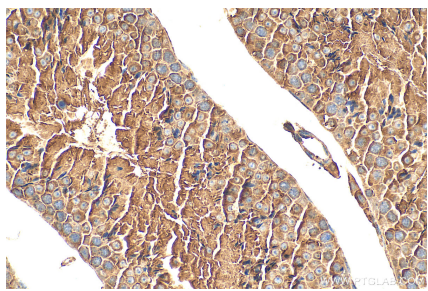
Selected Validation Data



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.



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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).