

For Research Use Only

COG4 Polyclonal antibody, PBS Only

Catalog Number: 31539-1-PBS



Basic Information

Catalog Number:

31539-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS Only

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

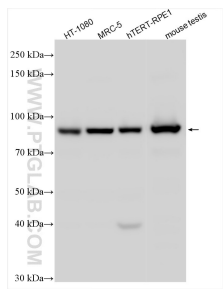
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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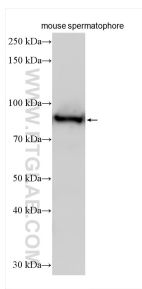
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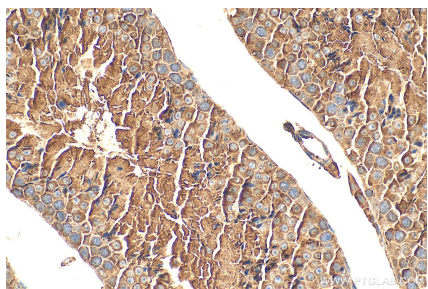
Selected Validation Data



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. This data was developed using the same antibody clone with 31539-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 31539-1-PBS in a different storage buffer formulation.