

For Research Use Only

# COG5 Polyclonal antibody

Catalog Number: 31380-1-AP



## Basic Information

**Catalog Number:**

31380-1-AP

**Size:**

150ul , Concentration: 200 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG35394

**GenBank Accession Number:**

NM\_181733.2

**GeneID (NCBI):**

10466

**UNIPROT ID:**

Q9UP83

**Full Name:**

component of oligomeric golgi complex 5

**Calculated MW:**

93kDa 839aa

**Observed MW:**

87-93 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB: 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : HeLa cells, LNCaP cells, mouse brain tissue, rat brain tissue

## Background Information

COG5 (Component Of Oligomeric Golgi Complex 5) is part of an eight-subunit Golgi-resident protein referred to as the conserved oligomeric golgi (COG) complex, which facilitates retrograde Golgi trafficking of vesicles that may include necessary glycosylation enzymes (PMID: 33277529). COG5 knockdown led to marked increases indicative of aberrant glycosylation (PMID: 25331899). The 92- and 87-kDa polypeptides could also be alternatively spliced isoforms of GTC-90 (PMID: 9792665)

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

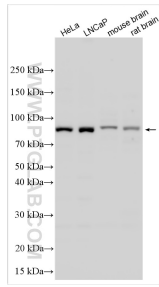
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31380-1-AP (COG5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.