

For Research Use Only

# COG1 Monoclonal antibody

Catalog Number: 68642-1-Ig



## Basic Information

<b>Catalog Number:</b> 68642-1-Ig	<b>GenBank Accession Number:</b> BC021985	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9382	<b>CloneNo.:</b> 2D8D11
<b>Source:</b> Mouse	<b>Full Name:</b> component of oligomeric golgi complex 1	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 109 kDa	
<b>Immunogen Catalog Number:</b> AG33924	<b>Observed MW:</b> 100-109 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, LNCaP cells, Jurkat cells
<b>Species Specificity:</b> Human, rabbit	

## Background Information

COG1 is one protein of the COG complex which is a heterooctameric complex that regulates intraGolgi trafficking and the integrity of the Golgi compartment in eukaryotic cells. It is reported that this protein is required for steps in the normal medial and trans-Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex. COG1 has a calculated molecular weight of 109 kDa and western blot analysis detected COG1 at 100-109 kDa (PMID: 16537452).

## 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

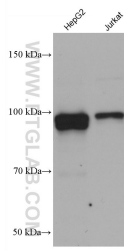
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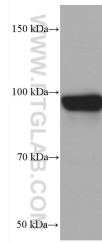
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68642-1-Ig (COG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



LNCaP cells were subjected to SDS PAGE followed by western blot with 68642-1-Ig (COG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.