

COG2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant COG2.****Catalog # AT1578a****Specification**

COG2 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q14746
Other Accession	NM_007357
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	83208

COG2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 22796**Other Names**

Conserved oligomeric Golgi complex subunit 2, COG complex subunit 2, Component of oligomeric Golgi complex 2, Low density lipoprotein receptor defect C-complementing protein, COG2, LDLC

Target/Specificity

COG2 (NP_031383, 639 a.a. ~ 738 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

COG2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

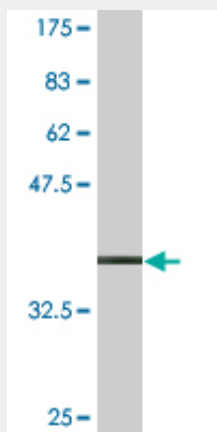
COG2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

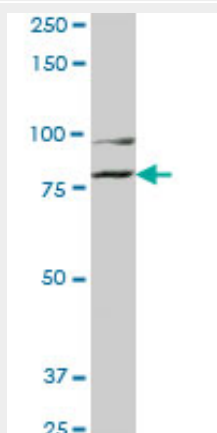
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COG2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



COG2 monoclonal antibody (M01), clone 3H8. Western Blot analysis of COG2 expression in IMR-32 (Cat # AT1578a)

COG2 Antibody (monoclonal) (M01) - Background

This gene encodes a subunit of the conserved oligomeric Golgi complex that is required for maintaining normal structure and activity of the Golgi complex. The encoded protein specifically interacts with the USO1 vesicle docking protein and may be necessary for normal Golgi ribbon formation and trafficking of Golgi enzymes. Mutations of this gene are associated with abnormal glycosylation within the Golgi apparatus. Alternative splicing results in multiple transcript variants.

COG2 Antibody (monoclonal) (M01) - References

An association analysis of Alzheimer disease candidate genes detects an ancestral risk haplotype clade in ACE and putative multilocus association between ACE, A2M, and LRRTM3. Edwards TL, et al. Am J Med Genet B Neuropsychiatr Genet, 2009 Jul 5. PMID 19105203. Gene variants associated with ischemic stroke: the cardiovascular health study. Luke MM, et al. Stroke, 2009 Feb. PMID

19023099. Association of gene variants with incident myocardial infarction in the Cardiovascular Health Study. Shiffman D, et al. Arterioscler Thromb Vasc Biol, 2008 Jan. PMID 17975119. The interaction of two tethering factors, p115 and COG complex, is required for Golgi integrity. Sohda M, et al. Traffic, 2007 Mar. PMID 17274799. Retrograde transport on the COG railway. Ungar D, et al. Trends Cell Biol, 2006 Feb. PMID 16406524.