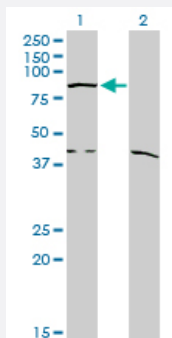


COG2 monoclonal antibody (M09), clone 4C8

Catalog # H00022796-M09

Size 100 ug

Applications

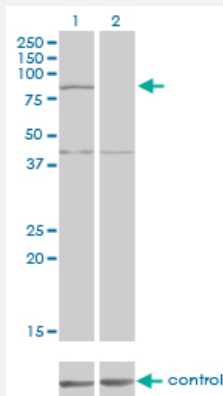


Western Blot (Transfected lysate)

Western Blot analysis of COG2 expression in transfected 293T cell line by COG2 monoclonal antibody (M09), clone 4C8.

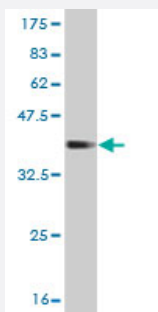
Lane 1: COG2 transfected lysate(83.2 KDa).

Lane 2: Non-transfected lysate.



RNAi Knockdown (Antibody validated)

Western blot analysis of COG2 over-expressed 293 cell line, cotransfected with COG2 Validated Chimera RNAi (Cat # H00022796-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with COG2 monoclonal antibody (M09), clone 4C8 (Cat # H00022796-M09). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant COG2.

Immunogen	COG2 (NP_031383, 639 a.a. ~ 738 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LSESTHKYYETVSDVLNSVKKMEESLKRLKQARKTTPANPVGPSGGMSDDDKIRLQLALDVEYLG EQIQKLGLQASDIKSFSALAEVLVAAAKDQATAEQP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (81)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of COG2 expression in transfected 293T cell line by COG2 monoclonal antibody (M09), clone 4C8.

Lane 1: COG2 transfected lysate(83.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of COG2 over-expressed 293 cell line, cotransfected with COG2 Validated Chimera RNAi (Cat # H00022796-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with COG2 monoclonal antibody (M09), clone 4C8 (Cat # H00022796-M09). GAPDH (36.1 kDa) used as specificity and loading control.

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Gene Info — COG2

Entrez GeneID [22796](#)

GeneBank Accession# [NM_007357](#)

Protein Accession# [NP_031383](#)

Gene Name COG2

Gene Alias LDLC

Gene Description component of oligomeric golgi complex 2

Omim ID [606974](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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

Other Designations OTTHUMP00000035875|brefeldin A-sensitive, peripheral Golgi protein|conserved oligomeric Golgi complex protein 2|low density lipoprotein receptor defect C complementing|transcript ch4822

Disease

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- [Cardiovascular Diseases](#)
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