

COG2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9379a

Specification

COG2 Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q14746
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83208
Antigen Region	96-124

COG2 Antibody (N-term) - 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

This COG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-124 amino acids from the N-terminal region of human COG2.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COG2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COG2 Antibody (N-term) - Protein Information

Name COG2

Synonyms LDLC

Function Required for normal Golgi morphology and function.

Cellular Location

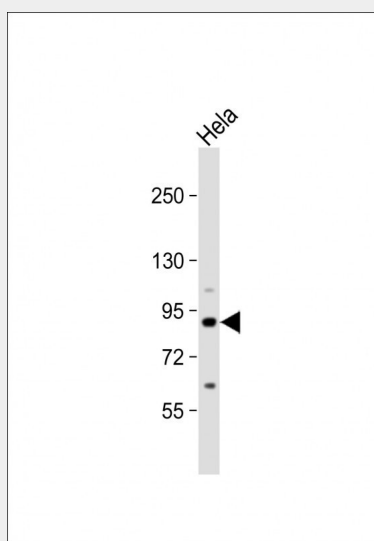
Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side

COG2 Antibody (N-term) - Protocols

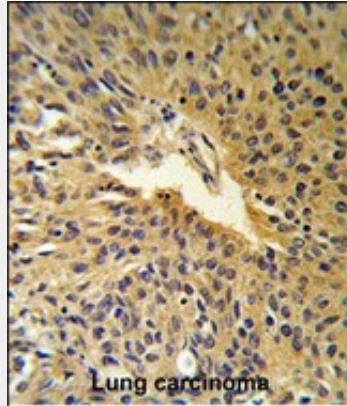
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

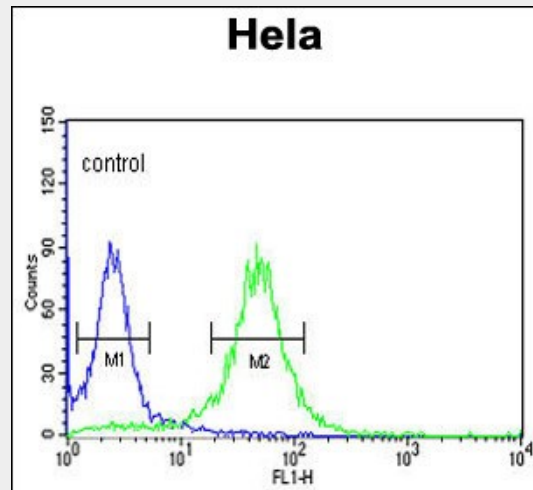
COG2 Antibody (N-term) - Images



Anti-COG2 Antibody (N-term) at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



COG2 Antibody (N-term) (RB17913) IHC analysis in formalin fixed and paraffin embedded human Lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COG2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



COG2 Antibody (N-term) (Cat. #AP9379a) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

COG2 Antibody (N-term) - Background

COG2 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.

COG2 Antibody (N-term) - References

- Edwards, T.L., et al. *Am. J. Med. Genet. B Neuropsychiatr. Genet.* 150B (5), 721-735 (2009)
- Luke, M.M., et al. *Stroke* 40(2):363-368(2009)
- Shiffman, D., et al. *Arterioscler. Thromb. Vasc. Biol.* 28(1):173-179(2008)
- Sohda, M., et al. *Traffic* 8(3):270-284(2007)
- Ungar, D., et al. *Trends Cell Biol.* 16(2):113-120(2006)