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Datasheet for ABIN951615 anti-COG2 antibody (N-Term)

3 Images



Overview

Quantity:	0.4 mL
Target:	COG2
Binding Specificity:	AA 103-132, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COG2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 103~132 amino acids from the N-terminal region of human COG2
lsotype:	Ig Fraction
Specificity:	This antibody reacts to COG2.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A
Target Details	
Target:	COG2

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Target Details	
Alternative Name:	COG2 (COG2 Products)
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.Synonyms: COG complex subunit 2, Component of oligomeric Golgi complex 2, Conserved oligomeric Golgi complex subunit 2, LDLC, Low density lipoprotein receptor defect C-complementing protein
Molecular Weight:	83208 Da
Gene ID:	22796
NCBI Accession:	NP_031383
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of COG2 Antibody (N-term) in Hela cell line lysates (35µg/lane). COG2 (arrow) was detected using the purified Pab.





Flow Cytometry

Image 2. COG2 Antibody (N-term) 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.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. COG2 Antibody (N-term) 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.

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