

Rabbit COG4 Polyclonal Antibody | anti-COG4 antibody

COG4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288436	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

COG4; Polyclonal Antibody; COG4 Antibody (C-term); Conserved oligomeric Golgi complex subunit 4; COG complex subunit 4; Component of oligomeric Golgi complex 4; anti-COG4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 757-785 amino acids from the C-terminal region of human COG4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	757-785
Sequence Length	712
Applicable Applications for anti-COG4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of jurkat cells using COG4 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle with COG4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of COG4 Antibody (C-term) in A2058 cell line lysates (35ug/lane). COG4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-COG4 antibody	Multiprotein complexes are key determinants of Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and the SEC34 complex, which is involved in vesicular transport. These 3 complexes are identical and have been termed the conserved oligomeric Golgi (COG) complex, which includes COG4.
Product Categories/Family for anti-COG4 antibody	Signal Transduction
References	Whyte J.R., Munro S.Dev. Cell 1:527-537(2001) Ota T., Suzuki Y., Nishikawa T.Nat. Genet. 36:40-45(2004) Rikova K., Guo A., Zeng Q.Cell 131:1190-1203(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	304376294
NCBI GeneID	25839
NCBI Accession #	NP_001182068.1; NP_056201.2
NCBI GenBank Nucleotide #	NM_001195139.1
UniProt Accession #	Q9H9E3; Q96D40; Q9BRF0; Q9BVZ2; Q9H5Y4; Q9Y3W3; B4DMN8; C9JS23
Molecular Weight	89083
NCBI Official Full Name	conserved oligomeric Golgi complex subunit 4 isoform 2
NCBI Official Synonym Full Names	component of oligomeric golgi complex 4
NCBI Official Symbol	COG4
NCBI Official Synonym Symbols	COD1; CDG2J
NCBI Protein Information	conserved oligomeric Golgi complex subunit 4
UniProt Protein Name	Conserved oligomeric Golgi complex subunit 4
UniProt Gene Name	COG4
UniProt Synonym Gene Names	COG complex subunit 4
UniProt Entry Name	COG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cog4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288436>