

Rabbit COG4 Polyclonal Antibody | anti-COG4 antibody

COG4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200475	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

PRODUCT SYNONYMS

COG4; Polyclonal Antibody; COG4 antibody - middle region; anti-COG4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: LF SQGIGGEQAQ AKFDSCLSDL AAVSNKFRDL LQEGLTELNS TAIKPQVQ
Sequence Length	789
Applicable Applications for anti-COG4 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human COG4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-COG4 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:312500
 Positive Control: 721_B cell lysate
 COG4 is supported by BioGPS gene expression data to be expressed in 721_B



WB (Western Blot)

Sample Type: Human, Mouse
 Sample Type: 1. Human Cervical Cancer Cell Lysate (15ug)
 2. Monkey Fibroblast Cell Lysate (15ug)
 3. Human Cervical Cancer Cell transfected with Myc-COG4 (15ug)
 Primary Dilution: 1:1000
 Secondary Antibody: goat anti-Rabbit
 Secondary Dilution: 1:40,000
 Image Submitted by: Dr. Jakob Szwedo, Dr. Lupashin's Lab
 University of Arkansas for Medical Sciences
 See Customer Feedback tab for detailed information.

ADDITIONAL INFORMATION

Related Product Information for anti-COG4 antibody	This is a rabbit polyclonal antibody against COG4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. 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 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-265 AK096557.1 1-265 266-555 BP282697.1 230-519 556-1072 AU125729.1 34-550 1073-2838 AL050101.1 375-2140
Product Categories/Family for anti-COG4 antibody	Polyclonal; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	118498354
NCBI GeneID	25839
NCBI Accession #	NP_056201
NCBI GenBank Nucleotide #	NM_015386
UniProt Accession #	Q9H9E3
Molecular Weight	89kDa
NCBI Official Full Name	conserved oligomeric Golgi complex subunit 4 isoform 1
NCBI Official Synonym Full Names	component of oligomeric golgi complex 4
NCBI Official Symbol	COG4
NCBI Official Synonym Symbols	COD1; CDG2J; SWILS
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-western-blot-elisa/200475>