

Product datasheet for **TA334420**

COG2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-COG2 antibody: synthetic peptide directed towards the N terminal of human COG2. Synthetic peptide located within the following region: KRVQLEELRDDLELYKLLKTAMVELINKDYADFNLSTNLVGMDKALNQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83 kDa
Gene Name:	component of oligomeric golgi complex 2
Database Link:	NP_031383 Entrez Gene 22796 Human Q14746



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Background:

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 COG2. 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 COG2 (Ungar et al., 2002 [PubMed 11980916]). [supplied by OMIM]

Synonyms:

LDLC

Note:

Immunogen Sequence Homology: Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Bovine: 93%; Pig: 86%; Guinea pig: 86%; Zebrafish: 77%

Protein Families:

Druggable Genome

Product images:

WB Suggested Anti-COG2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: HepG2 cell lysate
COG2 is supported by BioGPS gene expression data to be expressed in HepG2