

## Product datasheet for **TA333823**

### COG4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-COG4 Antibody: synthetic peptide directed towards the middle region of human COG4. Synthetic peptide located within the following region: LFSQGIGGEQAQAKFSDCLSDLA AVSNKFRDLLQEGLTELNSTAIKPQVQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	89 kDa
Gene Name:	component of oligomeric golgi complex 4
Database Link:	<a href="#">NP_056201</a> <a href="#">Entrez Gene 102339 Mouse</a> <a href="#">Entrez Gene 25839 Human</a> <a href="#">Q9H9E3</a>



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**Background:**

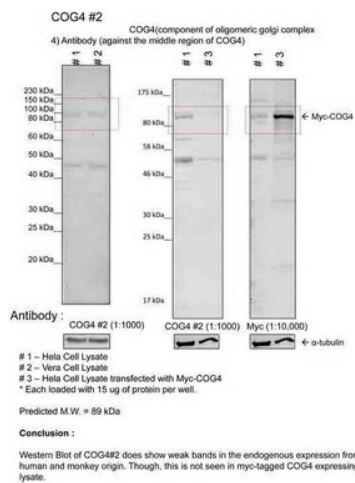
Multiprotein complexes are key determinants of Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and 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 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

**Synonyms:**

CDG2J; COD1

**Note:**

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

**Product images:**


Sample Type: 1. Human Cervical Cancer Cell Lysate (15 ug); 2. Monkey Fibroblast Cell Lysate (15 ug); 3. Human Cervical Cancer Cell transfected with Myc-COG4 (15ug); Primary Dilution: 1: 1000; Secondary Antibody: goat anti-Rabbit; Secondary Dilution: 1: 40



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