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COG4 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7430b

Specification

COG4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H9E3

COG4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 25839

Other Names
Conserved oligomeric Golgi complex subunit 4, COG complex subunit 4, Component of oligomeric Golgi complex 4, COG4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7430b was selected from the C-term region of human COG4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COG4 Antibody (C-term) Blocking Peptide - Protein Information

Name COG4

Function
Required for normal Golgi function (PubMed:19536132, PubMed:30290151). Plays a role in SNARE-pin assembly and Golgi-to-ER retrograde transport via its interaction with SCFD1 (PubMed:19536132).

Cellular Location
Cytoplasm, cytosol. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Note=Mosty cytosolic, with about 5% membrane-bound.

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COG4 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

COG4 Antibody (C-term) Blocking Peptide - Images

COG4 Antibody (C-term) Blocking Peptide - 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.

COG4 Antibody (C-term) Blocking Peptide - 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)