

**COG5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9601c****Specification**

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**COG5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UP83](#)**COG5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10466**Other Names**

Conserved oligomeric Golgi complex subunit 5, COG complex subunit 5, 13S Golgi transport complex 90 kDa subunit, GTC-90, Component of oligomeric Golgi complex 5, Golgi transport complex 1, COG5, GOLTC1, GTC90

**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.

**COG5 Antibody (Center) Blocking Peptide - Protein Information****Name** COG5 ([HGNC:14857](#))**Synonyms** GOLTC1, GTC90**Function**

Required for normal Golgi function.

**Cellular Location**

Cytoplasm, cytosol. Golgi apparatus membrane; Peripheral membrane protein

**COG5 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**COG5 Antibody (Center) Blocking Peptide - Images**

### **COG5 Antibody (Center) 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 COG5 (Ungar et al., 2002 [PubMed 11980916]).

### **COG5 Antibody (Center) Blocking Peptide - References**

Kerkhof, H.J., et al. Arthritis Rheum. 62(2):499-510(2010)Smith, R.D., et al. Carbohydr. Res. 343(12):2024-2031(2008)Morava, E., et al. Eur. J. Hum. Genet. 15(6):638-645(2007)