

**Goat Anti-COG1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1260a

**Specification**

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**Goat Anti-COG1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q8WTW3</a>
Other Accession	<a href="#">NP_061184</a> , <a href="#">9382</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>100ug/200ul</b>
Isotype	<b>IgG</b>
Calculated MW	<b>108978</b>

**Goat Anti-COG1 Antibody - Additional Information**

**Gene ID** 9382

**Other Names**

Conserved oligomeric Golgi complex subunit 1, COG complex subunit 1, Component of oligomeric Golgi complex 1, COG1, KIAA1381, LDLB

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-COG1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-COG1 Antibody - Protein Information**

**Name** COG1

**Synonyms** KIAA1381, LDLB

**Function**

Required for normal Golgi function.

**Cellular Location**

Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side

## Goat Anti-COG1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-COG1 Antibody - Images



AF1260a (0.1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-COG1 Antibody - Background

The protein encoded by this gene is one of eight proteins (Cog1-8) which form a Golgi-localized complex (COG) required for normal Golgi morphology and function. It is thought that this protein is required for steps in the normal medial and trans Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex.

## Goat Anti-COG1 Antibody - References

Cerebrocostomandibular-like syndrome and a mutation in the conserved oligomeric Golgi complex, subunit 1. Zeevaert R, et al. Hum Mol Genet, 2009 Feb 1. PMID 19008299.  
IntraGolgi distribution of the Conserved Oligomeric Golgi (COG) complex. Vasile E, et al. Exp Cell Res, 2006 Oct 1. PMID 16857184.  
Subunit architecture of the conserved oligomeric Golgi complex. Ungar D, et al. J Biol Chem, 2005 Sep 23. PMID 16020545.  
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.  
The binary interacting network of the conserved oligomeric Golgi tethering complex. Loh E, et al. J Biol Chem, 2004 Jun 4. PMID 15047703.