

Goat Anti-COG1 Antibody

Peptide-affinity purified goat antibody Catalog # AF1260a

Specification

Goat Anti-COG1 Antibody - Product Information

Application WB, E
Primary Accession Q8WTW3

Other Accession NP_061184, 9382

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
100ug/200ul
IgG

Isotype IgG
Calculated MW 108978

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

Dilution

WB~~1:1000

 $E \sim N/A$

Format

0.5~mg~lgG/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

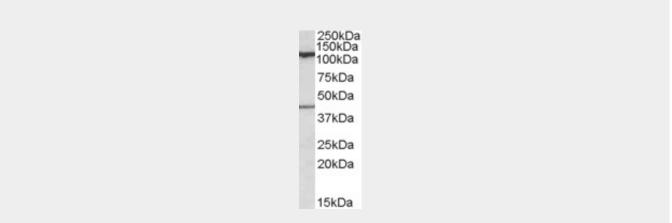
Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side

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 Cytomety
- Cell Culture

Goat Anti-COG1 Antibody - Images



AF1260a (0.1 μ g/ml) staining of Human Cerebellum lysate (35 μ g 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.