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Goat Anti-COG7 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1261a

Specification

Goat Anti-COG7 Antibody - Product Information

Application	**WB, E**
Primary Accession	P83436
Other Accession	NP_705831, 91949
Reactivity	**Human**
Predicted	**Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**86344**

Goat Anti-COG7 Antibody - Additional Information

Gene ID 91949

Other Names
Conserved oligomeric Golgi complex subunit 7, COG complex subunit 7, Component of oligomeric Golgi complex 7, COG7

Dilution
WB~~1:1000
E~~N/A

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-COG7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-COG7 Antibody - Protein Information

Name COG7

Function
Required for normal Golgi function.

Cellular Location
Golgi apparatus membrane; Peripheral membrane protein

Goat Anti-COG7 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-COG7 Antibody - Images

AF1261a (0.03 µg/ml) staining of MOLT4 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-COG7 Antibody - Background

The protein encoded by this gene resides in the golgi, and constitutes one of the 8 subunits of the conserved oligomeric Golgi (COG) complex, which is required for normal golgi morphology and localization. Mutations in this gene are associated with the congenital disorder of glycosylation type IIe.

Goat Anti-COG7 Antibody - References

A new mutation in COG7 extends the spectrum of COG subunit deficiencies. Zeevaert R, et al. Eur J Med Genet, 2009 Sep-Oct. PMID 19577670.
Direct interaction between the COG complex and the SM protein, Sly1, is required for Golgi SNARE pairing. Laufman O, et al. EMBO J, 2009 Jul 22. PMID 19536132.
A common mutation in the COG7 gene with a consistent phenotype including microcephaly, adducted thumbs, growth retardation, VSD and episodes of hyperthermia. Morava E, et al. Eur J Hum Genet, 2007 Jun. PMID 17356545.
COG-7-deficient Human Fibroblasts Exhibit Altered Recycling of Golgi Proteins. Steet R, et al. Mol Biol Cell, 2006 May. PMID 16510524.
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glycosylation. Shestakova A, et al. Traffic, 2006 Feb. PMID 16420527.