

**Goat Anti-C1D Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1172a****Specification**

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**Goat Anti-C1D Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q13901</a>
Other Accession	<a href="#">NP_775269</a> , <a href="#">10438</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	16019

**Goat Anti-C1D Antibody - Additional Information****Gene ID** 10438**Other Names**

Nuclear nucleic acid-binding protein C1D, hC1D, C1D

**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-C1D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-C1D Antibody - Protein Information****Name** C1D**Function**

Plays a role in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA; this function may include MPHOSPH6. Can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. Can induce apoptosis in a p53/TP53 dependent manner. May regulate the TRAX/TSN complex formation. Potentiates transcriptional repression by NR1D1 and THRB (By similarity).

**Cellular Location**

Nucleus. Cytoplasm. Nucleus, nucleolus. Note=EXOSC10 is required for nucleolar localization (PubMed:17412707). Colocalizes with TSNAX in the nucleus (PubMed:11801738).

#### Tissue Location

Ubiquitous. Expressed at very high levels in the hippocampus, medulla oblongata, mammary gland, thyroid and salivary gland. Expressed at high levels in the fetal; lung, liver and kidney. Expressed at low levels in skeletal muscle, appendix, heart, lung and colon.

#### Goat Anti-C1D 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-C1D Antibody - Images



AF1172a (0.1 µg/ml) staining of Human Skeletal Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### Goat Anti-C1D Antibody - Background

The protein encoded by this gene is a DNA binding and apoptosis-inducing protein and is localized in the nucleus. It is also a Rac3-interacting protein which acts as a corepressor for the thyroid hormone receptor. This protein is thought to regulate TRAX/Translin complex formation. Alternate splicing results in multiple transcript variants that encode the same protein. Multiple pseudogenes of this gene are found on chromosome 10.

#### Goat Anti-C1D Antibody - References

Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.  
Risk of meningioma and common variation in genes related to innate immunity. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2010 May. PMID 20406964.

Common variation in genes related to innate immunity and risk of adult glioma. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2009 May. PMID 19423540.

C1D is a major autoantibody target in patients with the polymyositis-scleroderma overlap syndrome. Schilders G, et al. Arthritis Rheum, 2007 Jul. PMID 17599775.

C1D and hMtr4p associate with the human exosome subunit PM/ScI-100 and are involved in pre-rRNA processing. Schilders G, et al. Nucleic Acids Res, 2007. PMID 17412707.