

**RQCD1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17848c****Specification**

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**RQCD1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q92600</a>
Other Accession	<a href="#">Q6IP65</a> , <a href="#">Q5PQL2</a> , <a href="#">Q9JKY0</a> , <a href="#">Q4R347</a> , <a href="#">Q6NWL4</a> , <a href="#">A7MB47</a> , <a href="#">NP_005435.1</a>
Reactivity	Human
Predicted	Bovine, Zebrafish, Monkey, Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33631
Antigen Region	106-134

**RQCD1 Antibody (Center) - Additional Information****Gene ID** 9125**Other Names**

Cell differentiation protein RCD1 homolog, Rcd-1, CCR4-NOT transcription complex subunit 9, RQCD1, CNOT9, RCD1

**Target/Specificity**

This RQCD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from the Central region of human RQCD1.

**Dilution**

WB~~1:500

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

RQCD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RQCD1 Antibody (Center) - Protein Information**

**Name** CNOT9 ([HGNC:10445](#))

**Synonyms** RCD1, RQCD1

**Function** Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Involved in down- regulation of MYB- and JUN-dependent transcription. May play a role in cell differentiation (By similarity). Can bind oligonucleotides, such as poly-G, poly-C or poly-T (in vitro), but the physiological relevance of this is not certain. Does not bind poly-A. Enhances ligand-dependent transcriptional activity of nuclear hormone receptors, including RARA, except ESR1-mediated transcription that is not only slightly increased, if at all.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q9JKY0}. Cytoplasm, P-body  
{ECO:0000250|UniProtKB:Q9JKY0}. Note=NANOS2 promotes its localization to P-body.  
{ECO:0000250|UniProtKB:Q9JKY0}

**Tissue Location**

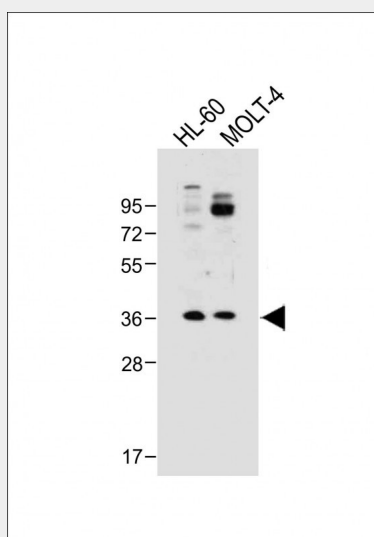
Detected in spleen, thymus, prostate, testis, ovary and intestine.

**RQCD1 Antibody (Center) - 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](#)

**RQCD1 Antibody (Center) - Images**



All lanes : Anti-RQCD1 Antibody (Center) at 1:500 dilution Lane 1: HL-60 whole cell lysate Lane 2: MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **RQCD1 Antibody (Center) - Background**

Transcription factor that down-regulates MYB-and JUN-dependent transcription. May play a role in cell differentiation (By similarity). Can bind oligonucleotides, such as poly-G, poly-C or poly-T (in vitro), but the physiological relevance of this is not certain. Does not bind poly-A.

#### **RQCD1 Antibody (Center) - References**

Ajiro, M., et al. Int. J. Oncol. 35(4):673-681(2009)  
Miyasaka, T., et al. Cancer Sci. 99(4):755-761(2008)  
Garapaty, S., et al. J. Biol. Chem. 283(11):6806-6816(2008)  
Morita, M., et al. Mol. Cell. Biol. 27(13):4980-4990(2007)  
Hiroi, N., et al. EMBO J. 21(19):5235-5244(2002)