

# **RQCD1 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17848c

## **Product Information**

Application WB, E Primary Accession Q92600

Other Accession <u>Q6IP65, Q5PQL2, Q9IKY0, Q4R347, Q6NWL4, A7MB47, NP 005435.1</u>

**Reactivity** Human, Rat, Mouse

**Predicted** Bovine, Zebrafish, Monkey, Rat, Xenopus

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB37988Calculated MW33631Antigen Region106-134

## **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~~1:1000 E~~Use at an assay dependent concentration.

**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.

## **Protein Information**

Name CNOT9 ( <u>HGNC:10445</u>)

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, expect 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.

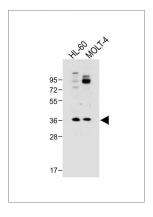
# **Background**

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.

## 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)

## **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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.