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RQCD1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17848c

Product Information

Application	WB, E
Primary Accession	Q92600
Other Accession	Q6IP65, Q5PQL2, Q9JKY0, Q4R347, Q6NWL4, A7MB47, NP_005435.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Zebrafish, Monkey, Rat, Xenopus, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37988
Calculated MW	33631
Antigen Region	106-134

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 (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, 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.

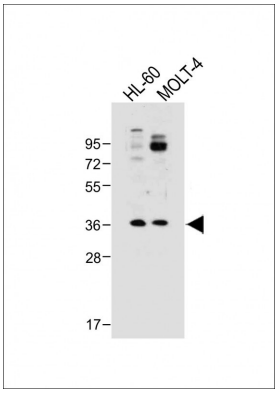
Background

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'.