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RQCD1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17848c

Specification

RQCD1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q92600

RQCD1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9125

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RQCD1 Antibody (Center) Blocking Peptide - 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.

RQCD1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

RQCD1 Antibody (Center) Blocking Peptide - Images

RQCD1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)