RQCD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RQCD1, Polyclonal Antibody
Full Product Name	RQCD1, ID (RQCD1, CNOT9, RCD1, Cell differentiation protein RCD1 homolog, CCR4-NOT transcription complex subunit 9) (MaxLight 650)
Product Gene Name	anti-RQCD1 antibody
Product Synonym Names	RQCD1; CNOT9; RCD1; Cell differentiation protein RCD1 homolog; CCR4-NOT transcription complex subunit 9
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	32 kDa
OMIM	612054
3D Structure	ModBase 3D Structure for Q92600
Immunogen	RQCD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-134 amino acids from the Central region of human RQCD1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-RQCD1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-RQCD1 antibody	Western Blot (WB), FLISA
Application Notes for anti-RQCD1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RQCD1 antibody	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.
Product References and Citations for anti-RQCD1 antibody	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).
Other Notes	Small volumes of anti-RQCD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for RQCD1 purchase	MBS6344026 is an antibody targeting RQCD1. Also known as RQCD1, ID (RQCD1, CNOT9, RCD1, Cell differentiation protein RCD1 homolog, CCR4-NOT transcription complex subunit 9) (MaxLight 650). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RQCD1. It may not necessarily be applicable to this product.

NCBI GI #	4885579
NCBI GeneID	9125
NCBI Accession #	NP_005435.1
UniProt Primary Accession #	Q92600
UniProt Related Accession #	Q92600
GenBank Nucleotide #	NM_001271634.1
NCBI Official Full Name	CCR4-NOT transcription complex subunit 9 isoform 2
NCBI Official Synonym Full Names	CCR4-NOT transcription complex subunit 9
NCBI Official Symbol	CNOT9
NCBI Official Synonym Symbols	RCD1; CAF40; CT129; RCD-1; RQCD1
UniProt Protein Name	Cell differentiation protein RCD1 homolog
UniProt Synonym Protein Names	CCR4-NOT transcription complex subunit 9
Protein Family	Cell differentiation protein
UniProt Gene Name	RQCD1
UniProt Synonym Gene Names	CNOT9; RCD1; Rcd-1
UniProt Entry Name	RCD1_HUMAN
NCBI Protein Information	CCR4-NOT transcription complex subunit 9
NCBI Summary for RQCD1	This gene encodes a member of the highly conserved RCD1 protein family. The encoded protein is a transcriptional cofactor and a core protein of the CCR4-NOT complex. It may be involved in signal transduction as well as retinoic acid-regulated cell differentiation and development. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2012]
UniProt Comments for RQCD1	RQCD1: Transcription factor that down-regulates MYB- and JUN- dependent transcription. May play a role in cell differentiation. 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. Belongs to the RCD1 family. Protein type: Cancer Testis Antigen (CTA) Chromosomal Location of Human Ortholog: 2q35 Cellular Component: membrane; nucleus; cytosol; CCR4-NOT complex Molecular Function: protein domain specific binding; protein binding; protein homodimerization activity Biological Process: regulation of translation; poly(A) tail shortening; transcription, DNA-dependent; regulation of transcription, DNA-dependent; cytokine and chemokine mediated signaling pathway; gene expression; RNA-mediated gene silencing; sex differentiation; mRNA catabolic process, deadenylation-dependent decay; negative regulation of estrogen receptor signaling pathway
Research Articles on RQCD1	**1.** Data indicate a recurrent somatic C > T change causing a P131L mutation in the RQCD1 (Required for Cell Differentiation1 Homolog) gene identified through whole exome sequencing of 20 metastatic melanomas.

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