CCAR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCAR1, Polyclonal Antibody
Full Product Name	CCAR1 Antibody
Product Gene Name	anti-CCAR1 antibody
Product Synonym Names	RP11-437A18.1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total CCAR1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	131,043 Da
OMIM	612569
3D Structure	ModBase 3D Structure for Q8IX12
Immunogen	Fusion protein corresponding to residues near the C terminal of human cell division cycle and apoptosis regulator 1
Product Categories/Family for anti-CCAR1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CCAR1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CCAR1 antibody	IHC: 1:50-1:200
Related Product Information for anti-CCAR1 antibody	Cell division cycle and apoptosis regulator protein 1 is a protein that in humans is encoded by the CCAR1 gene. The deduced 1,150-amino acid CARP1 protein contains a putative cold-shock protein domain expected to bind RNA and a putative DNA-binding motif predicted to be involved in chromosomal organization. Immunohistochemical analysis detected CARP1 in the perinuclear compartment of human breast cancer cells, and the protein had an apparent molecular mass of 130 kD by SDS-PAGE
Other Notes	Small volumes of anti-CCAR1 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 CCAR1 purchase	MBS8589767 is an antibody targeting CCAR1. Also known as CCAR1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCAR1. It may not necessarily be applicable to this product.

NCBI GI #	545479138

NCBI GeneID	55749
NCBI Accession #	NP_001269888.1
UniProt Primary Accession #	Q8IX12
UniProt Secondary Accession #	Q32NE3; Q5EBM3; Q5VUP6; Q6PIZ0; Q6X935; Q9H8N4; A0JLT7; A1L4P7; A8K9D4; B4DNP8; B4DRK8
UniProt Related Accession #	Q8IX12
GenBank Nucleotide #	NM_001282959.1
NCBI Official Full Name	cell division cycle and apoptosis regulator protein 1 isoform b
NCBI Official Synonym Full Names	cell division cycle and apoptosis regulator 1
NCBI Official Symbol	CCAR1
UniProt Protein Name	Cell division cycle and apoptosis regulator protein 1
UniProt Synonym Protein Names	Cell cycle and apoptosis regulatory protein 1; CARP-1; Death inducer with SAP domain
Protein Family	Cell division cycle and apoptosis regulator protein
UniProt Gene Name	CCAR1
UniProt Synonym Gene Names	CARP1; DIS; CARP-1
UniProt Entry Name	CCAR1_HUMAN
NCBI Protein Information	cell division cycle and apoptosis regulator protein 1; cell cycle and apoptosis regulatory protein 1; death inducer with SAP domain
UniProt Comments for CCAR1	CCAR1: Associates with components of the Mediator and p160 coactivator complexes that play a role as intermediaries transducing regulatory signals from upstream transcriptional activator proteins to basal transcription machinery at the core promoter. Recruited to endogenous nuclear receptor target genes in response to the appropriate hormone. Also functions as a p53 coactivator. May thus play an important role in transcriptional regulation. May be involved in apoptosis signaling in the presence of the reinoid CD437. Apoptosis induction involves sequestration of 14-3-3 protein(s) and mediated altered expression of multiple cell cycle regulatory genes including MYC, CCNB1 and CDKN1A. Plays a role in cell cycle progression and/or cell proliferation. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear receptor co-regulator; RNA splicing; Apoptosis Chromosomal Location of Human Ortholog: 10q21.3 Cellular Component: nucleoplasm; perinuclear region of cytoplasm Molecular Function: protein binding; ligand-dependent nuclear receptor transcription coactivator activity Biological Process: nuclear mRNA splicing, via spliceosome; transcription, DNA-dependent; regulation of transcription, DNA-dependent; apoptosis; RNA splicing; gene expression; cell cycle
Research Articles on CCAR1	**1.** Par-4/THAP1 complex and Notch3 competitively regulated pre-mRNA splicing of CCAR1 and affected inversely the survival of T-cell acute lymphoblastic leukemia cells.
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