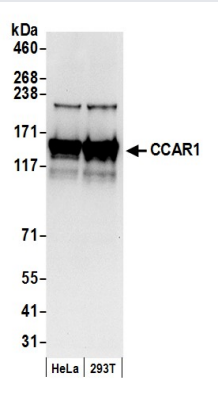
CCAR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCAR1, Polyclonal Antibody
Full Product Name	Rabbit anti-CCAR1 Antibody, Affinity Purified
Product Gene Name	anti-CCAR1 antibody
Product Synonym Names	CARP-1; cell division cycle and apoptosis regulator protein 1; cell cycle and apoptosis regulatory protein 1; death inducer with SAP domain; Cell division cycle and apoptosis regulator protein 1; cell division cycle and apoptosis regulator 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	131,043 Da
OMIM	612569
3D Structure	ModBase 3D Structure for Q8IX12
Immunogen	Between 1100 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-CCAR1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-CCAR1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-CCAR1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-CCAR1 antibody	CCAR1 was identified as a perinuclear phosphoprotein that regulates apoptosis signals in response to chemotherapeutic agents. Induction of apoptosis by CCAR1 involves the epidermal growth factor receptor (EGFR), mitogen-activated protein kinase pathway and caspase-9 activation. CARP-1 has also been demonstrated as a suppressor of human breast cancer growth.
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	MBS3901013 is an antibody targeting CCAR1. Also known as Rabbit anti-CCAR1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CCAR1 antibody
Detection of human CCAR1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CCAR1 antibody MBS3901013 (lot MBS3901013-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL DETAILS

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

NCBI GI #	46852388
NCBI GeneID	55749
NCBI Accession #	NP_060707.2
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_018237.3
NCBI Official Full Name	cell division cycle and apoptosis regulator protein 1 isoform a
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

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.** this study provides insight into the structure and evolution of DBC1 and CCAR1, which may impact future studies on the biological functions of these proteins.
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