

Goat Anti-CCAR1 Antibody

Peptide-affinity purified goat antibody Catalog # AF2225a

Specification

Goat Anti-CCAR1 Antibody - Product Information

Application WB
Primary Accession Q8IX12

Other Accession <u>NP_060707</u>, <u>55749</u>, <u>361849 (mouse)</u>

Reactivity Mouse, Rat

Predicted Human, Pig, Dog, Cow

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 132821

Goat Anti-CCAR1 Antibody - Additional Information

Gene ID 55749

Other Names

Cell division cycle and apoptosis regulator protein 1, Cell cycle and apoptosis regulatory protein 1, CARP-1, Death inducer with SAP domain, CCAR1, CARP1, DIS

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CCAR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CCAR1 Antibody - Protein Information

Name CCAR1

Synonyms CARP1, DIS

Function

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 (By similarity). 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 (PubMed:12816952). In association with CALCOCO1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781). Can act as a both a coactivator and corepressor of AR-mediated transcription. Contributes to chromatin looping and AR transcription complex assembly by stabilizing AR-GATA2 association on chromatin and facilitating MED1 and RNA polymerase II recruitment to AR-binding sites. May play an important role in the growth and tumorigenesis of prostate cancer cells (PubMed:23887938).

Cellular Location

Cytoplasm, perinuclear region

Tissue Location

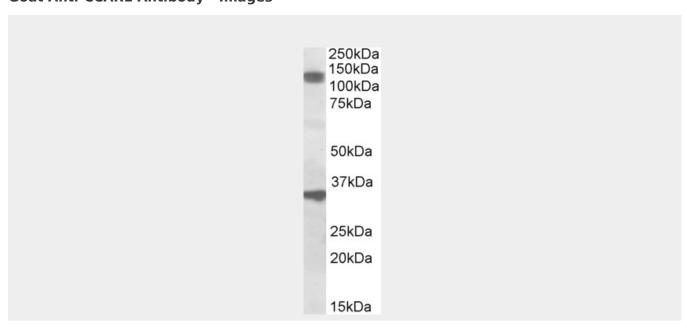
Expressed in various epithelial cancer cell lines, including breast, colon, prostate, pancreatic and leukemia. Expression is regulated by growth factors.

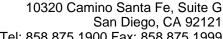
Goat Anti-CCAR1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-CCAR1 Antibody - Images







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AF2225a (1 μg/ml) staining of Rat Skeletal Muscle lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CCAR1 Antibody - References

Requirement of cell cycle and apoptosis regulator 1 for target gene activation by Wnt and beta-catenin and for anchorage-independent growth of human colon carcinoma cells. Ou CY, et al. J Biol Chem, 2009 Jul 31. PMID 19520846.

Microtubule-dependent association of AKAP350A and CCAR1 with RNA stress granules. Kolobova E, et al. Exp Cell Res, 2009 Feb 1. PMID 19073175.

CCAR1, a key regulator of mediator complex recruitment to nuclear receptor transcription complexes. Kim JH, et al. Mol Cell, 2008 Aug 22. PMID 18722177.

Proteomic analysis of ubiquitinated proteins in normal hepatocyte cell line Chang liver cells. Tan F, et al. Proteomics, 2008 Jul. PMID 18655026.

CARPs enhance p53 turnover by degrading 14-3-3sigma and stabilizing MDM2. Yang W, et al. Cell Cycle, 2008 Mar 1. PMID 18382127.