

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	NP_060707 , 55749 , 361849 (mouse)
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 IgG/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 reinducer 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-CCAR1 Antibody - Images



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.