

For Research Use Only

# CCAR1 Recombinant antibody

Catalog Number: 83936-4-RR



## Basic Information

Catalog Number:

83936-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18786

GenBank Accession Number:

BC132725

GeneID (NCBI):

55749

UNIPROT ID:

Q8IX12

Full Name:

cell division cycle and apoptosis  
regulator 1

Calculated MW:

1150 aa, 133 kDa

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

240980C12

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

IF/ICC 1:125-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : A549 cells, HEK-293 cells, HeLa cells, HepG2 cells,  
Jurkat cells

IHC : human colon tissue,

IF/ICC : A431 cells,

## Background Information

Cell cycle and apoptosis regulator 1 (CCAR1) was originally identified from a functional screening and implicated in retinoid-induced cell cycle arrest and apoptosis. It has been shown that, in breast cancer cells, CCAR1 regulates apoptosis induced by various agents, including chemotherapeutics adriamycin, etoposide, and EGFR inhibitor. It is also involved in mediating anchorage-independent growth of colon carcinoma cells. In addition, CCAR1 plays the role as a co-activator of nuclear receptors to recruit mediator complex. It was found to associate with components of the Mediator and p160 coactivator complexes and is recruited to endogenous NR target genes. CCAR1 is also a binding partner of b-catenin and assists b-catenin in transcriptional activation of Wnt target genes.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

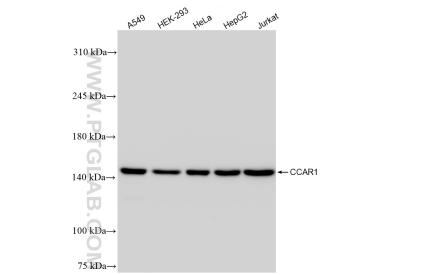
T: 4006900926

E: Proteintech-CN@ptglab.com

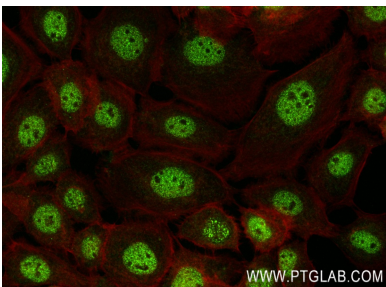
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

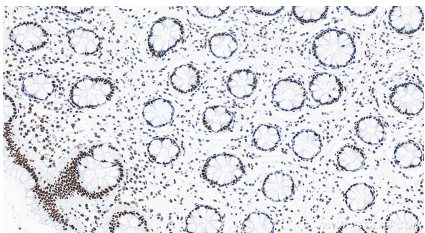
Selected Validation Data



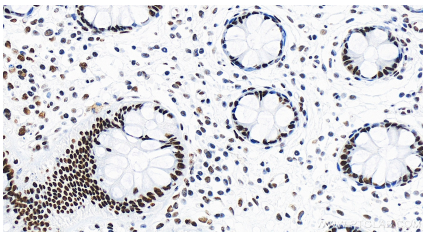
Various lysates were subjected to SDS PAGE followed by western blot with 83936-4-RR (CCAR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CCAR1 antibody (83936-4-RR, Clone: 240980C12 ) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 83936-4-RR (CCAR1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 83936-4-RR (CCAR1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).