

For Research Use Only

# CCAR1 Recombinant antibody, PBS Only

Catalog Number: 83936-4-PBS



## Basic Information

Catalog Number:

83936-4-PBS

Concentration:

1 mg/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

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

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

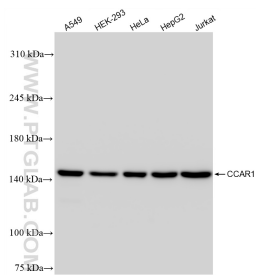
T: 4006900926

E: Proteintech-CN@ptglab.com

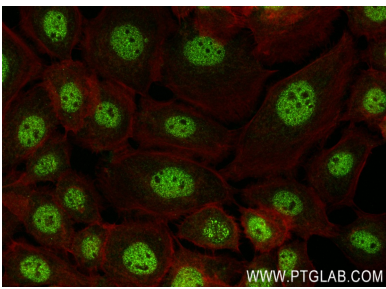
W: ptgcn.com

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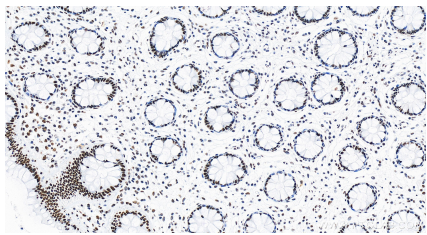
## Selected Validation Data



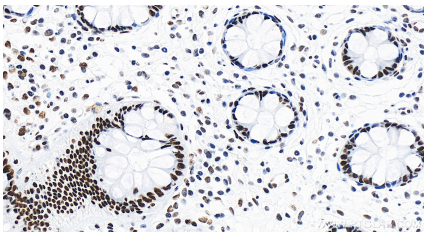
Various lysates were subjected to SDS PAGE followed by western blot with 83936-4-RR (CCAR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83936-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83936-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83936-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83936-4-PBS in a different storage buffer formulation.