

For Research Use Only

CCAR1 Polyclonal antibody

Catalog Number: 25232-1-AP



Basic Information

Catalog Number: 25232-1-AP	GenBank Accession Number: BC132725	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 250 ug/ml by Nanodrop;	GeneID (NCBI): 55749	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q8IX12	IHC 1:50-1:500
Isotype: IgG	Full Name: cell division cycle and apoptosis regulator 1	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG18970	Calculated MW: 1150 aa, 133 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon tissue, human breast cancer tissue, mouse colon tissue, rat colon tissue, rat kidney 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

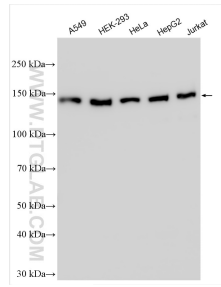
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

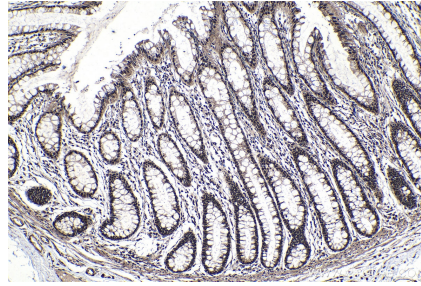
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

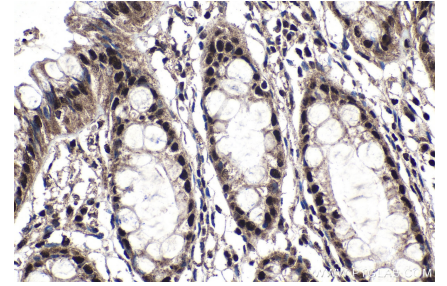
Selected Validation Data



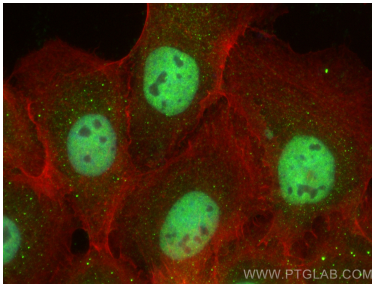
Various lysates were subjected to SDS PAGE followed by western blot with 25232-1-AP (CCAR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



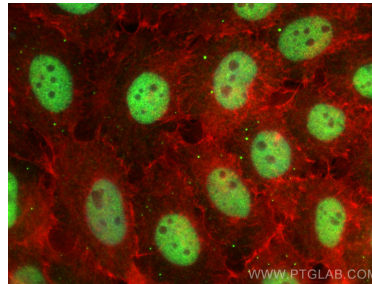
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25232-1-AP (CCAR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 25232-1-AP (CCAR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CCAR1 antibody (25232-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CCAR1 antibody (25232-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).