

For Research Use Only

CCAR2 Monoclonal antibody

Catalog Number: 66497-1-Ig **Featured Product**



Basic Information

Catalog Number: 66497-1-Ig	GenBank Accession Number: BC018269	Purification Method: Protein A purification
Size: 1500 µg/ml	GeneID (NCBI): 57805	CloneNo.: 2D10F8
Source: Mouse	UNIPROT ID: Q8N163	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:250-1:1000 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: KIAA1967	
Immunogen Catalog Number: AG18374	Calculated MW: 923 aa, 103 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, pig

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: HeLa cells, pig brain tissue, HEK-293 cells, MCF-7 cells, Jurkat cells

IHC: human cervical cancer tissue, human colon tissue, human lung cancer tissue, human colon cancer tissue

IF/ICC: HeLa cells,

Background Information

Cell cycle and apoptosis regulator protein 2 (CCAR2), previously known as DBC1/KIAA1967, regulates diverse cellular functions including transcription, mRNA splicing, metabolism, and circadian cycle. CCAR2 is a critical regulator of cell death or survival following cellular stresses. CCAR2 is a widely expressed protein involved in the regulation of a variety of transcriptional complexes. High expression of CCAR2 correlates with poor outcomes in many human tumor types such as squamous cell carcinoma (SCC).

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

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

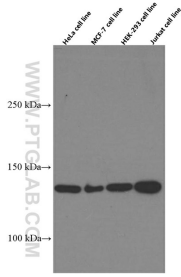
T: 4006900926

E: Proteintech-CN@ptglab.com

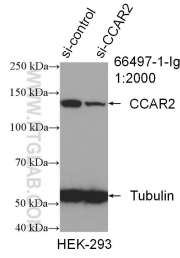
W: ptgcn.com

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

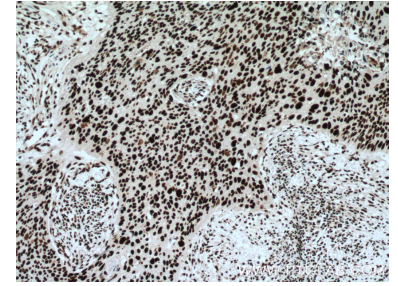
Selected Validation Data



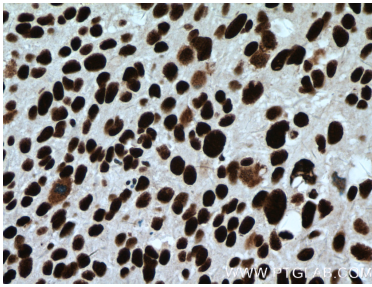
Various lysates were subjected to SDS PAGE followed by western blot with 66497-1-Ig (CCAR2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



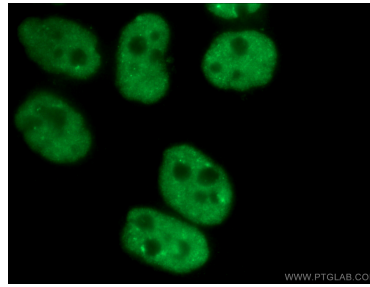
WB result of CCAR2 antibody (66497-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCAR2 transfected HEK-293 cells.



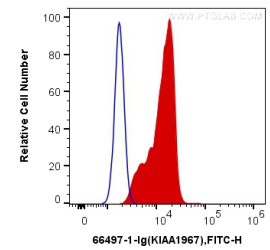
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66497-1-Ig (CCAR2 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



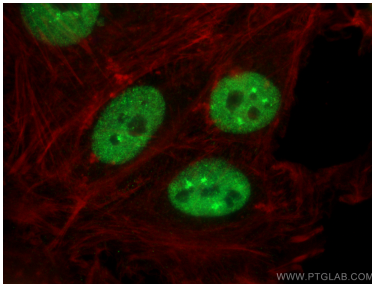
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66497-1-Ig (CCAR2 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 66497-1-Ig (CCAR2 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1×10^6 U2OS cells were intracellularly stained with 0.2 ug Anti-Human CCAR2 (66497-1-Ig, Clone:2D10F8) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CCAR2 antibody (66497-1-Ig, Clone: 2D10F8) at dilution of 1:800 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).