

## CIRBP Polyclonal antibody

Catalog Number: 10209-2-AP

Featured Product

74 Publications

## Basic Information

<b>Catalog Number:</b> 10209-2-AP	<b>GenBank Accession Number:</b> BC000403	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1153	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> cold inducible RNA binding protein	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 172 aa, 19 kDa	<b>IF 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG0280	<b>Observed MW:</b> 19 kDa	

## Applications

**Tested Applications:**  
FC, IF, IHC, IP, WB, ELISA

**Cited Applications:**  
CoIP, IF, IHC, IP, RIP, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse, squirrel

**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 :** PC-12 cells, Y79 cells, HepG2 cells, A549 cells, mouse brain tissue, PC-13 cells, HEK-293 cells, mouse testis tissue

**IP :** HepG2 cells,

**IHC :** human pancreas cancer tissue, human breast cancer tissue, mouse pancreas tissue

**IF :** HepG2 cells,

## Background Information

CIRBP, also named as A18HNRNP and CIRP, is a cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival[PMID: 19158277]. CIRBP is also involved in cap-independent translation upon moderate cold-shock. It acts as a translational activator. CIRBP is a suppressive rather stimulatory effect on proliferation[PMID: 19777567]. CIRBP can translocate from nucleus to cytoplasm under stresses such as UV irradiation or heat shock. Suppression of CIRBP increased the apoptotic cell population of neural stem cells at moderate low temperature[PMID: 20735994]. This antibody (Catalog# 10209-2-AP) is a rabbit polyclonal antibody raised against the full-length CIRBP of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuankang Zou	36211820	Oxid Med Cell Longev	WB,IF
Mingyue Liu	30396738	J Thorac Cardiovasc Surg	WB
Sihan Lv	36170814	Cell Rep	WB

## 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

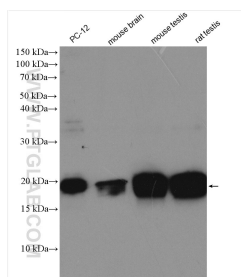
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

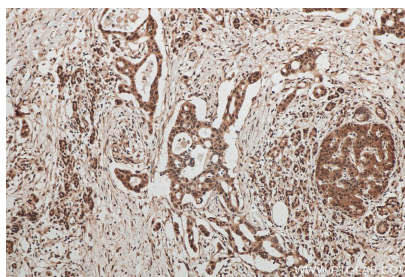
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

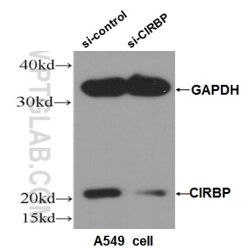
## Selected Validation Data



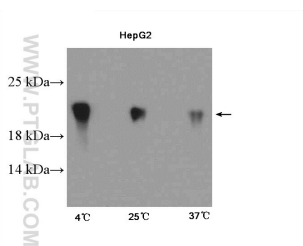
PC-12 cells were subjected to SDS PAGE followed by western blot with 10209-2-AP (CIRBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



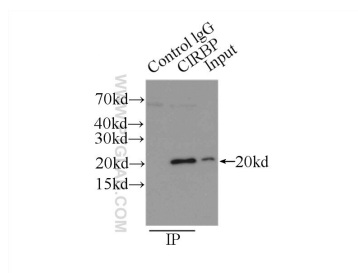
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10209-2-AP (CIRBP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



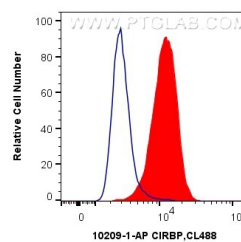
WB result of CIRBP antibody (10209-2-AP, 1:500) with si-control and si-CIRBP transfected A549 cell.



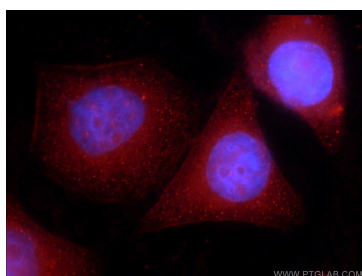
HepG2 cells were subjected to SDS PAGE followed by western blot with 10209-2-AP (CIRBP Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-CIRBP (IP:10209-2-AP, 3ug; Detection:10209-2-AP 1:500) with HepG2 cells lysate 6000ug.



1X10<sup>6</sup> A549 cells were intracellularly stained with 0.4 ug Anti-Human CIRBP (10209-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of HepG2 cells using 10209-2-AP (CIRBP antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.