

# CIRBP

## Polyclonal ANTIBODY

Catalog Number: 10209-2-AP

Featured Product

37 Publications

### Basic Information

**Catalog Number:**  
10209-2-AP

**Size:**  
44 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG0280

**GenBank Accession Number:**  
BC000403

**GeneID (NCBI):**  
1153

**Full Name:**  
cold inducible RNA binding protein

**Calculated MW:**  
172aa, 19 kDa

**Observed MW:**  
19 kDa

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:200

IF 1:10-1:100

### Applications

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

**Cited Applications:**  
IF, IHC, WB

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

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

**Positive Controls:**

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

**IP** : HepG2 cells;

**IHC** : human breast cancer tissue; human placenta 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 |
|-------------------|-----------|--------------------------|-------------|
| Mingyue Liu       | 30396738  | J Thorac Cardiovasc Surg | WB          |
| John Rp Knight    | 25353634  | Biochem J                | WB          |
| Natasha L Pacheco | 29090078  | Mbl Autism               | WB          |

### Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

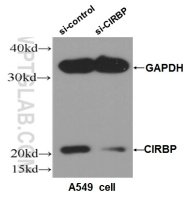
For technical support and original validation data for this product please contact:

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

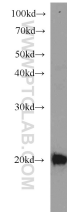
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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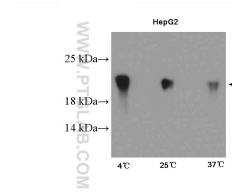
## Selected Validation Data



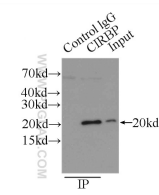
WB result of CIRBP antibody (10209-2-AP, 1:500) with si-control and si-CIRBP transfected A549 cell.



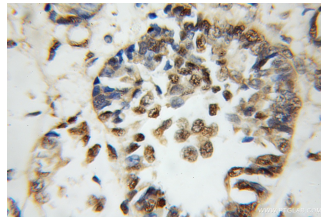
mouse testis tissue were subjected to SDS PAGE followed by western blot with 10209-2-AP(CIRBP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



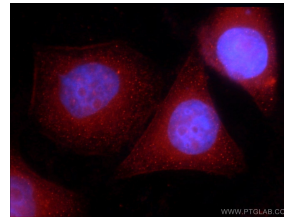
HepG2 cells were subjected to SDS PAGE followed by western blot with 10209-2-AP(CIRBP Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours



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



Immunohistochemical of paraffin-embedded human breast cancer using 10209-2-AP(CIRBP antibody) at dilution of 1:100 (under 10x lens)



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