

## CIRBP Polyclonal Antibody

Catalog number: 10209-2-AP

Size: 44 µg/150 µl

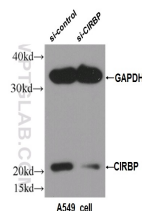
Source: Rabbit

Isotype: IgG

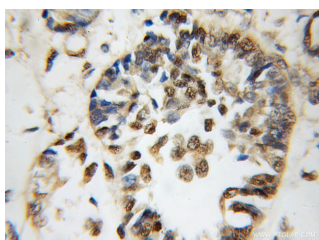
Synonyms:

CIRBP; A18 hnRNP,

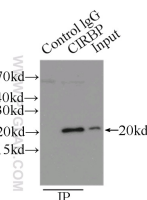
A18HNRNP, CIRBP, CIRP



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



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



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

### Background

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 has a suppressive rather than 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.

### Applications

Tested applications:	ELISA, IHC, IP, IF, WB
Cited applications:	IF, IHC, Supershift assay, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated CIRBP MW:	172aa, 19 kDa
Observed CIRBP MW:	19 kDa
Positive WB detected in	HepG2 cells, A549 cells, Cold treated HepG2 cells, HEK-293 cells, human brain tissue, mouse brain tissue, mouse testis tissue, PC-13 cells, Y79 cells
Positive IP detected in	HepG2 cells
Positive IHC detected in	Human breast cancer tissue, human placenta tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

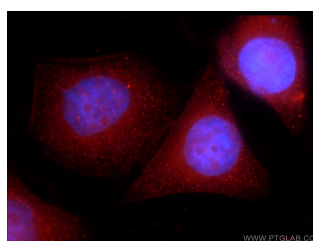
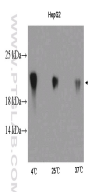
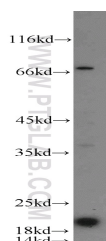
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0280
GenBank accession number:	BC000403
Gene ID (NCBI):	1153
Full name:	Cold inducible RNA binding protein

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



HepG2 cells were subjected to SDS PAGE followed by western blot with 10209-2-AP(CIRBP antibody) at dilution of 1:1000

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

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