For Research Use Only

CoraLite®594-conjugated CIRBP Polyclonal antibody

Catalog Number:CL594-10209 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL594-10209

Concentration:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0280

GenBank Accession Number:
BC000403

GeneID (NCBI):
1153

UNIPROT ID:
Q14011

Full Name:
cold inducible RNA binding protein

Calculated MW:
172 aa, 19 kDa

Observed MW:
19 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.80 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : HEK-293 cells,

FC (Intra) : A549 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 irradation 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.

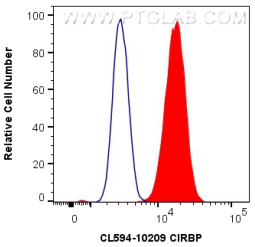
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

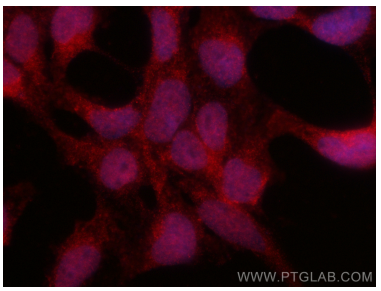
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1X10^6 A549 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human CIRBP (CL594-10209) (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite®594 CIRBP antibody (CL594-10209) at dilution of 1:200.