



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10235 - Goat Anti-CIRBP (aa 81-91) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CIRP, cold inducible RNA binding protein, cold inducible RNA-binding protein, Cold-inducible RNA-binding protein, glycine-rich RNA binding protein, CIRBP

**Official Symbol:** CIRBP

**Accession Number(s):** NP\_001271.1; NP\_001287758.1; NP\_001287744.1

**Human GeneID(s):** [1153](#)

**Non-Human GeneID(s):** 12696 (mouse), 81825 (rat)

### Immunogen

Peptide with sequence C-QAGKSSDNRSR, from the internal region of the protein sequence according to NP\_001271.1; NP\_001287758.1; NP\_001287744.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx. 19kDa band observed in nuclear lysates of cell line MCF7 and in preliminary testing of Human Ovary lysate (calculated MW of 18.6kDa according to NP\_001271.1 and 18.2kDa according to NP\_001287744.1). Recommended concentration: 0.03-0.3µg/ml. Primary incubation 1 hour at room temperature.

**Positive Control:** A batch specific positive control lysate is available for this product. Please contact [Sales@everestbiotech.com](mailto:Sales@everestbiotech.com) for availability.

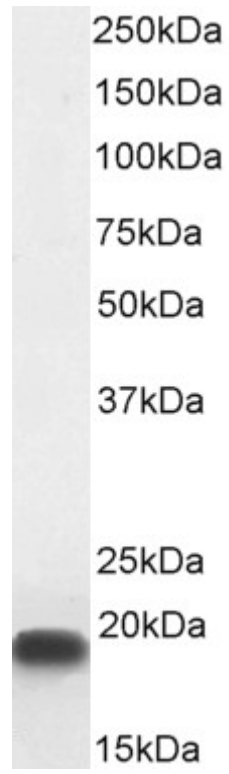
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of MCF7 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of MCF7 cells. Recommended concentration: 10µg/ml.

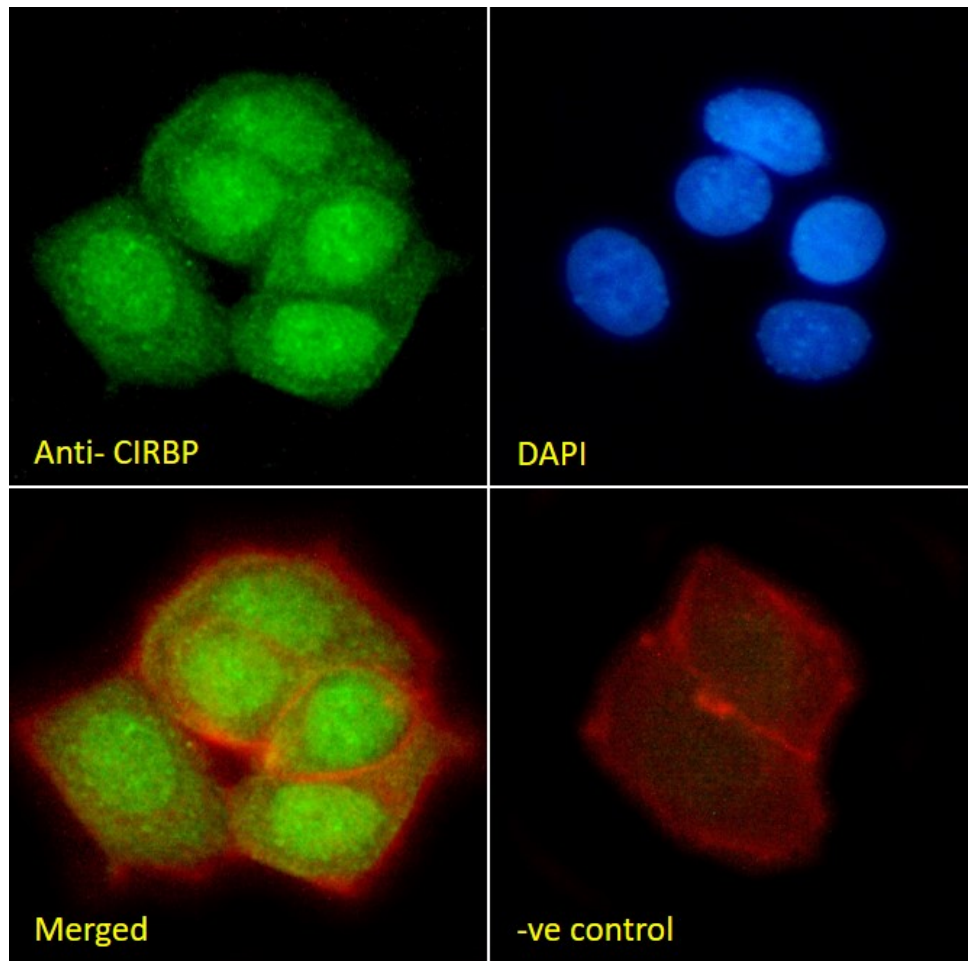
### Species Reactivity

**Tested:** Human

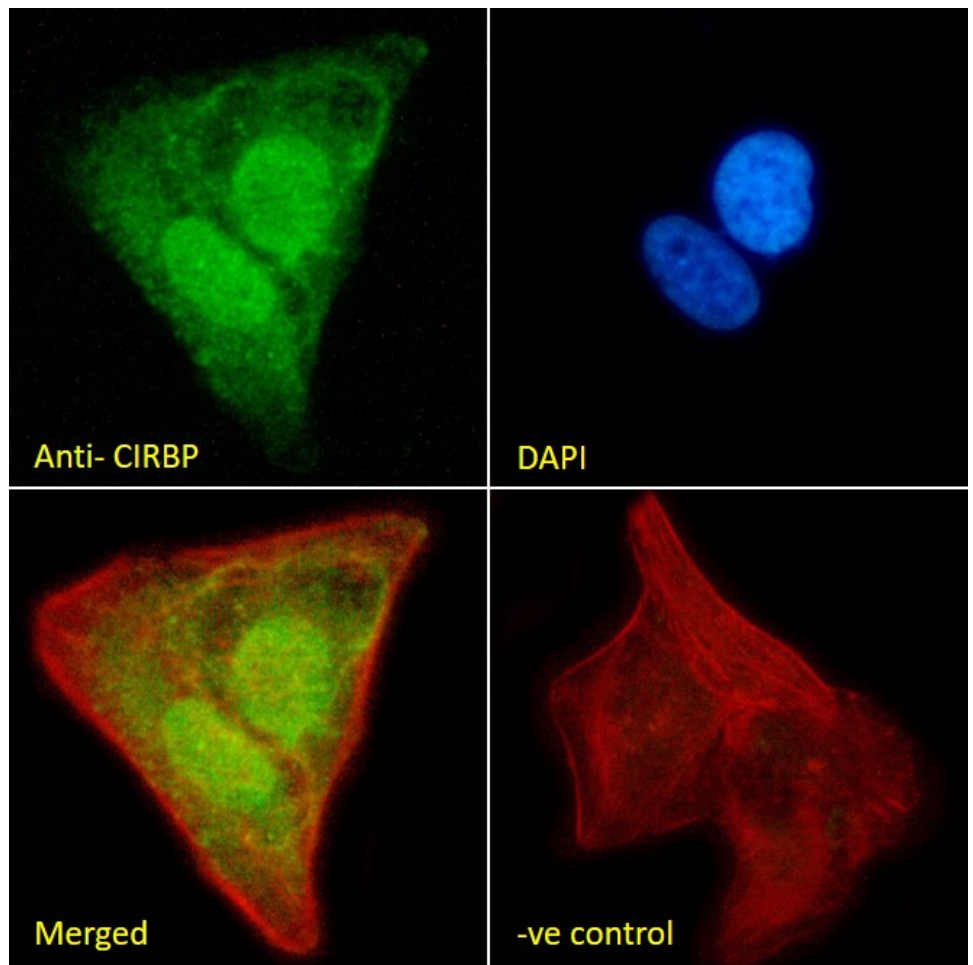
**Expected from sequence similarity:** Human, Mouse, Cow



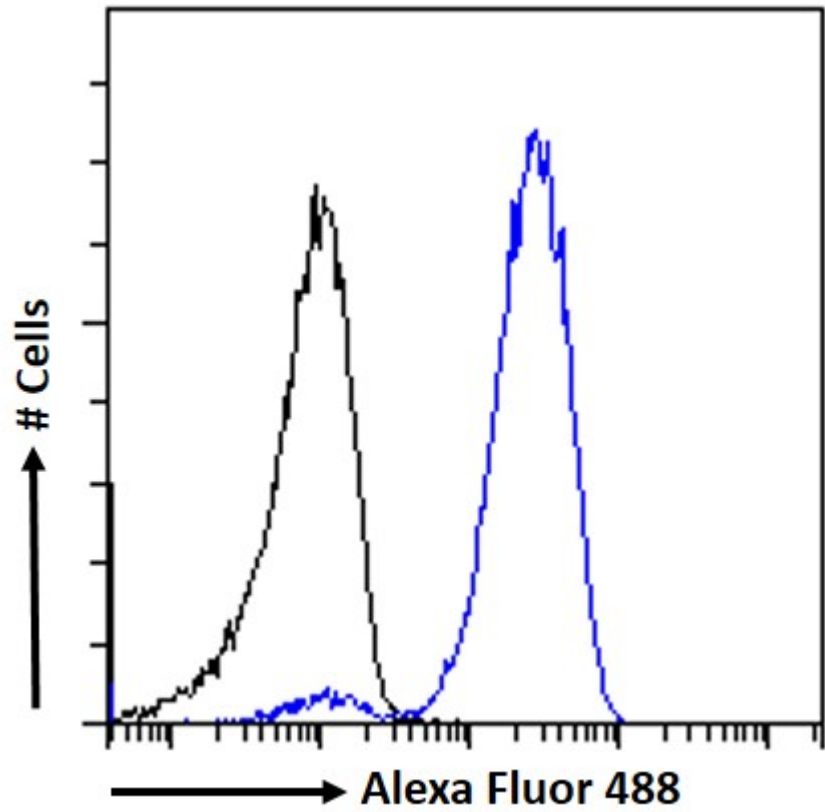
EB10235 (0.03 $\mu$ g/ml) staining of MCF7 nuclear cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10235 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10235 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10235 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.