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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: 0.03-0.3ug/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 for availability.

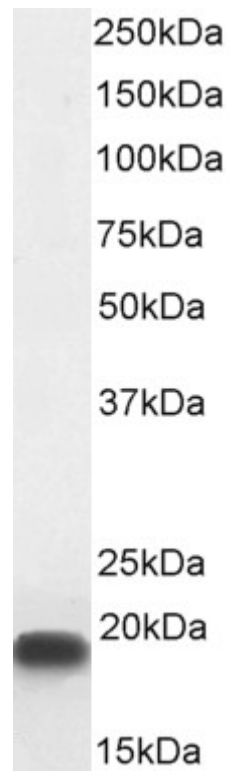
Immunofluorescence: Strong expression of the protein seen in the nuclei of MCF7 and U2OS cells. Recommended concentration: 10µg/ml.

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

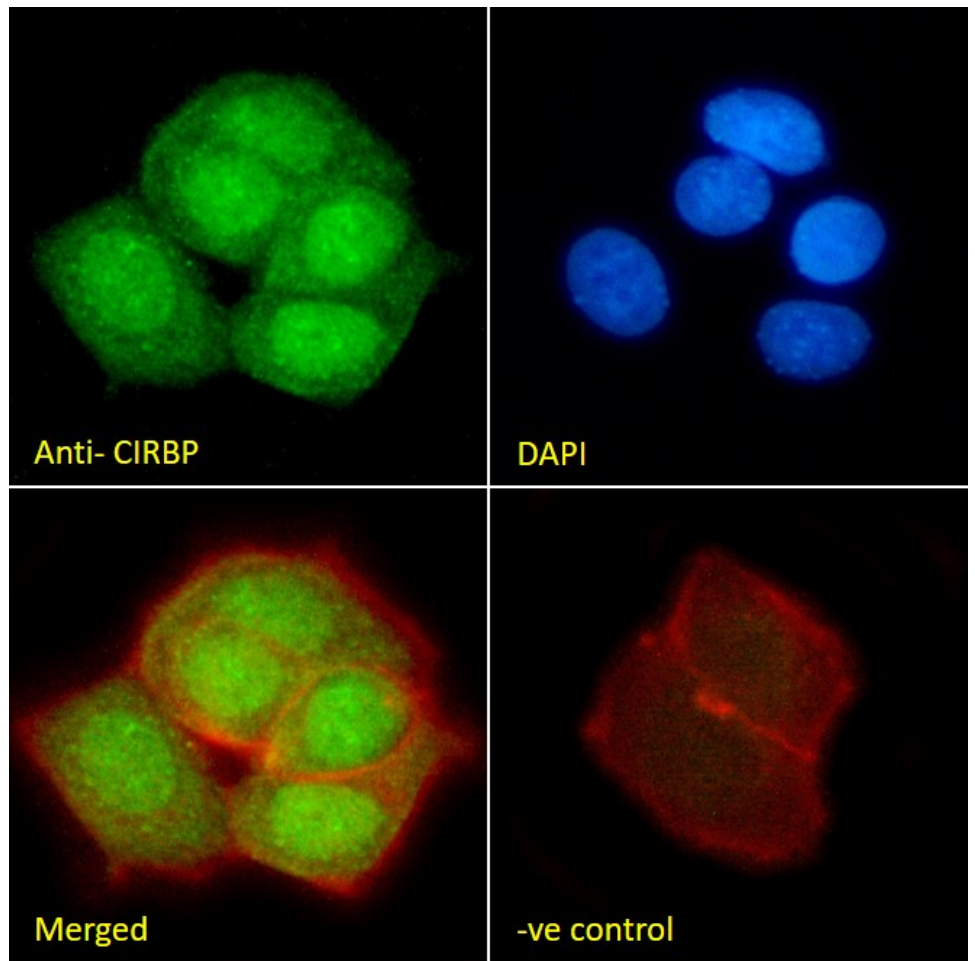
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Cow

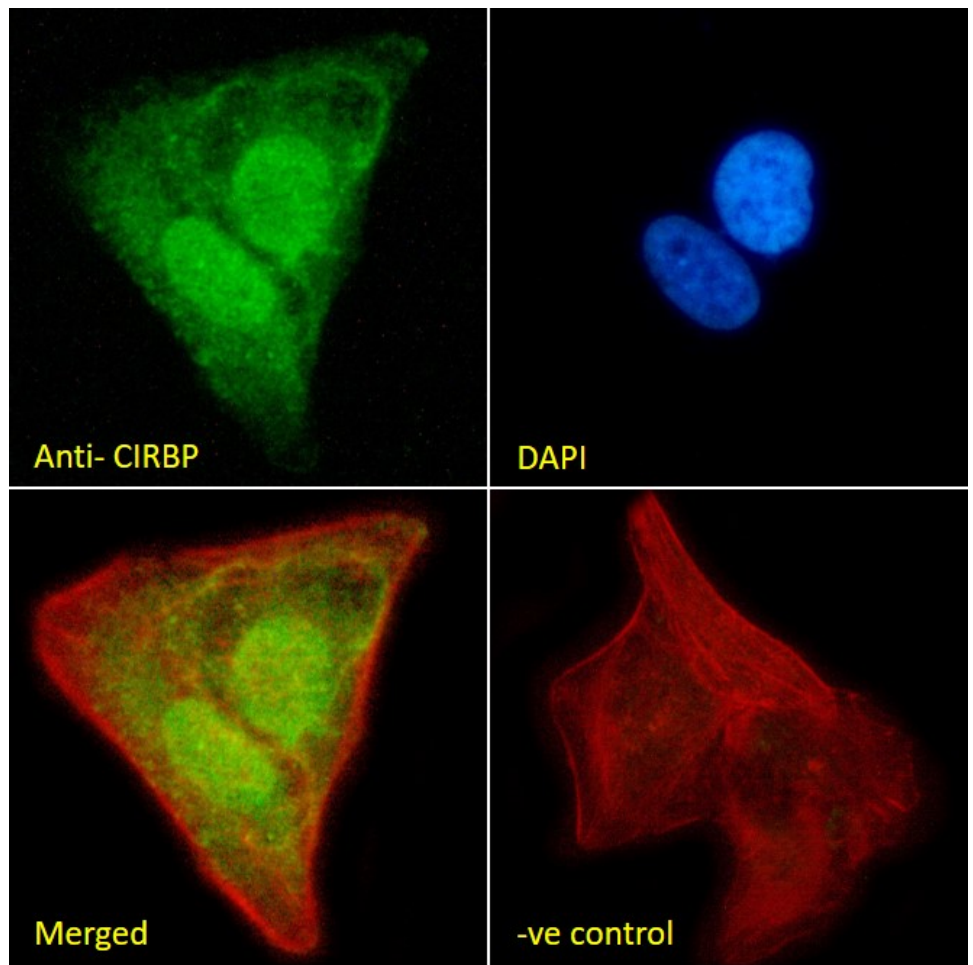


EB10235 (0.03 μ g/ml) staining of MCF7 nuclear cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



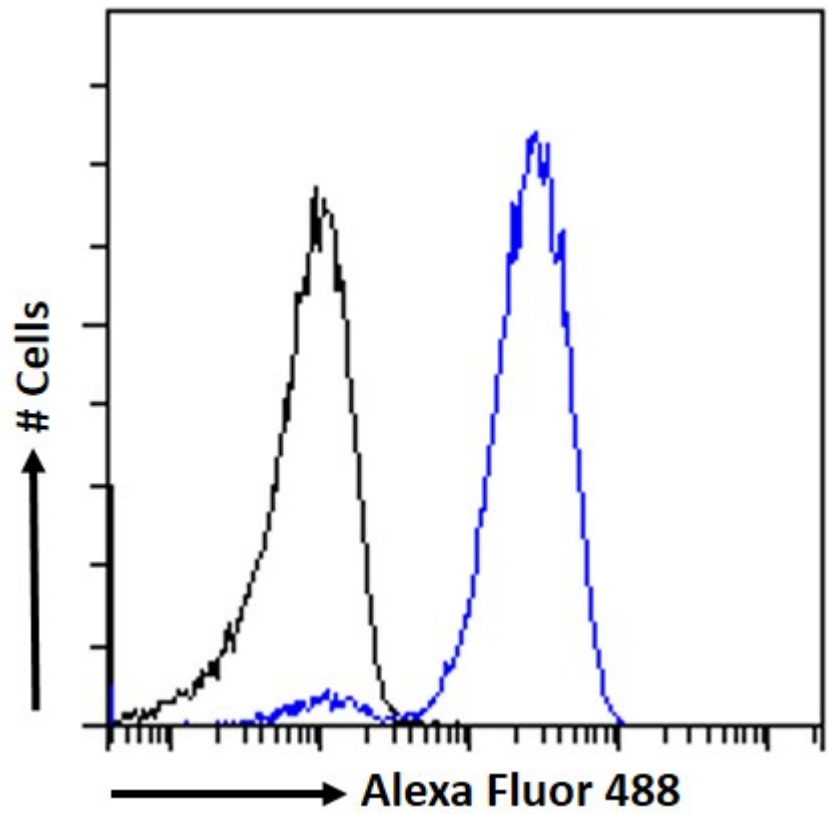
EB10235 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton.

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.