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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.

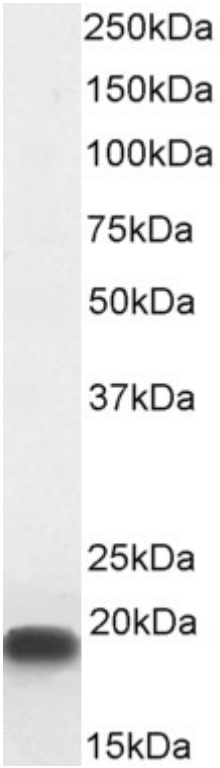
Positive Control: A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability.

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

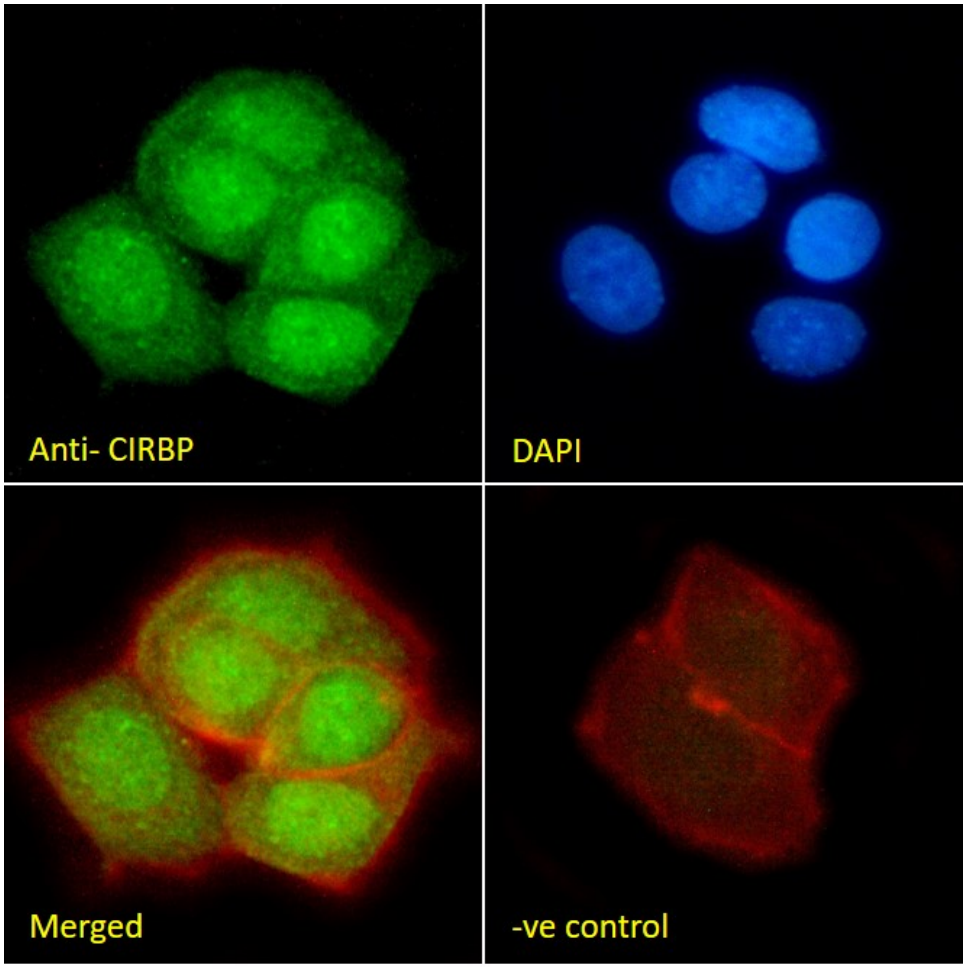
Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

Species Reactivity

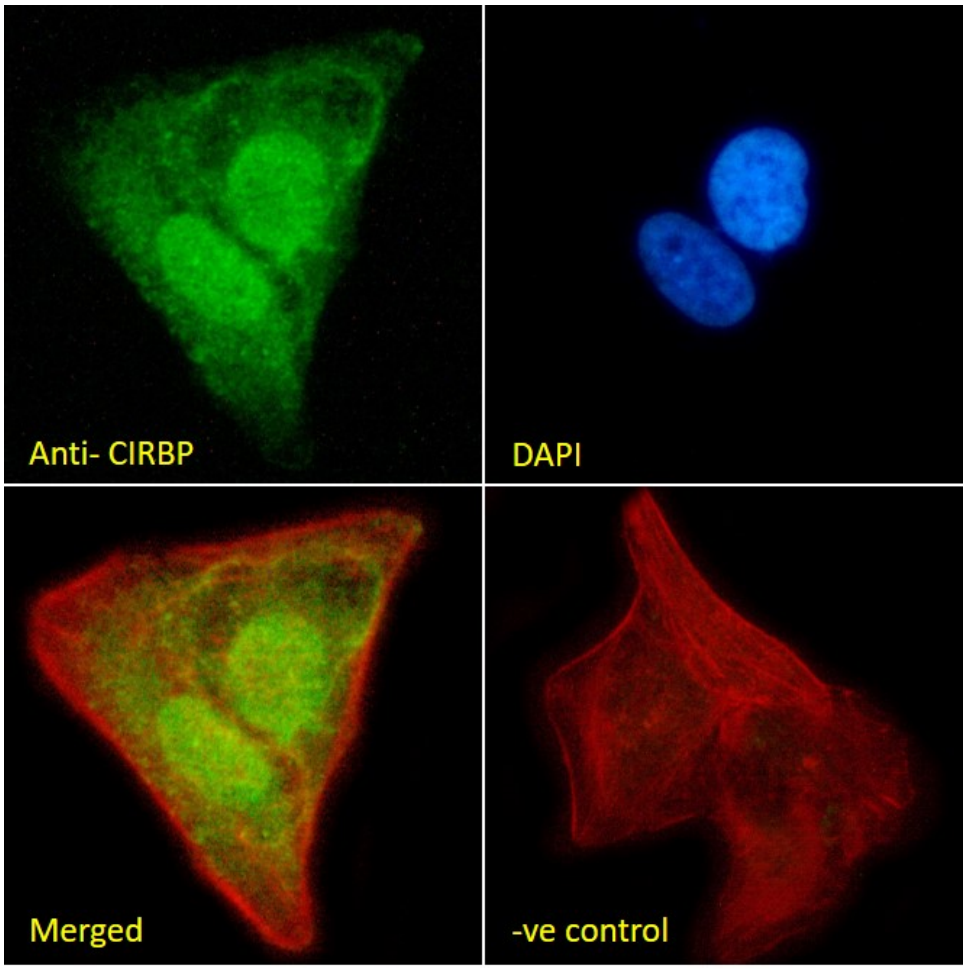
Tested: Human
Expected from sequence similarity: Human, Mouse, Cow



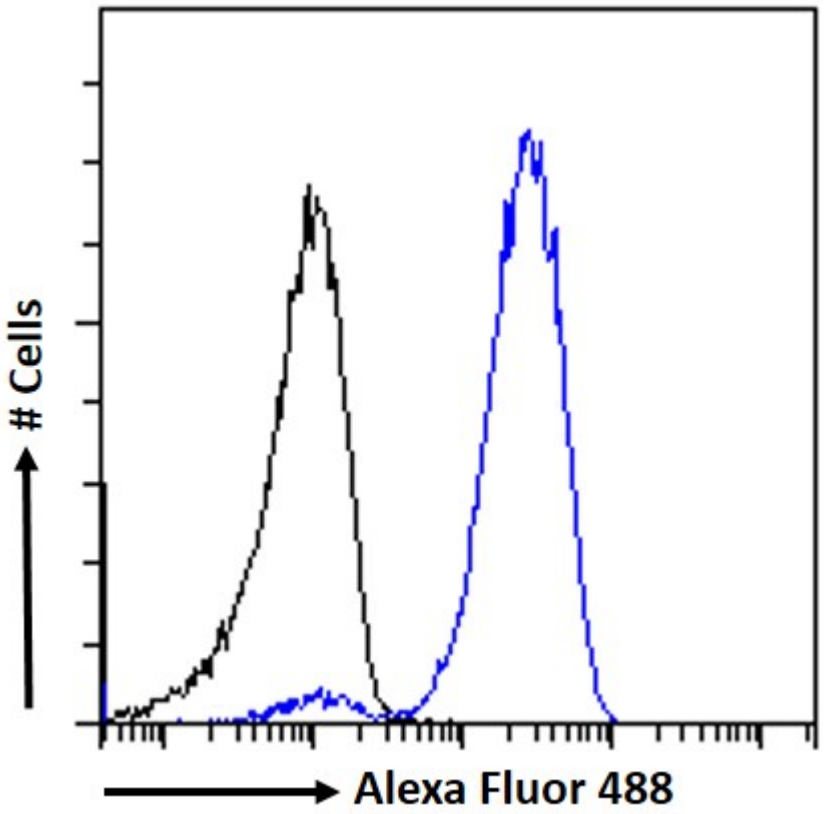
EB10235 (0.03µg/ml) staining of MCF7 nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



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.