EB10705 - Goat Anti-CRTC2 Antibody

Size: 100µg specific antibody in 200µl

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Target Protein

Principal Names: Crtc2, CREB regulated transcription coactivator 2, 4632407F12Rik, Torc2, OTTMUSP00000023505, transducer of regulated cAMP response element-binding protein (CREB) 2
Official Symbol: CRTC2
Accession Number(s): NP_083157.1
Human GeneID(s): 200186
Non-Human GeneID(s): 74343 (mouse), 310615 (rat)

Immunogen

Peptide with sequence C-DPAVEDSFRSDRLQ, from the C Terminus of the protein sequence according to NP_083157.1.

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 1:64000.
Western blot: Approx 90kDa observed in lysates of cell line Jurkat and in preliminary testing of NIH3T3, and approx 85kDa in Rat Brain lysates and lysates of cell line A431 (calculated MW of 73.2kDa according to Human, NP_083157.1) and Rat NP_001029067.1).These molecular weight s are routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

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

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

Species Reactivity

Tested: Human, Rat
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

EB10705 (1µg/ml) staining of Jurkat (A) and (2ug/ml) A431 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB10705 (2µg/ml) staining of Rat Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB10705 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong 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).

EB10705 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 strong 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).

EB10705 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.