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Research Use Only. Not for diagnostic or therapeutic use.

EB05393 - Goat Anti-AIBZIP / CREB3L4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AIBZIP, cAMP responsive element binding protein 3-like 4, JAL, hJAL, ATCE1, CREB3, CREB4, androgen-induced basic leucine zipper, RP11-422P24.8,

OTTHUMP00000035266, cAMP responsive element binding protein 1

Official Symbol: CREB3L4

Accession Number(s): NP_570968.1; NP_001242909.1

Human GenelD(s): 148327

Important Comments: This antibody is expected to recognize both reported isoforms (NP_570968.1; NP_001242909.1). Reported variants represent identical protein: NP_001242908.1, NP_570968.1, NP_001242907.1 Reported variants represent identical

protein: NP_001242909.1, NP_001242910.1

Immunogen

Peptide with sequence C-PSGRIRSVLHADEM, from the C Terminus of the protein sequence according to NP_570968.1; NP_001242909.1.

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 1:32000.

Western blot: Approx. 50kDa band observed in Human Kidney and Placenta lysate, and in lysates of cell lines MDA-MB-231, A431 and MCF7 (calculated MW of 43.4kDa according to NP_570968.1). Recommended concentration: 0.003-0.5μg/ml. Primary incubation 1 hour at room temperature.

IHC: In paraffin embedded Human Prostate shows strong staining of cytoplasm in the secretory cells of the gland. Recommended concentration: 2-4µg/ml.

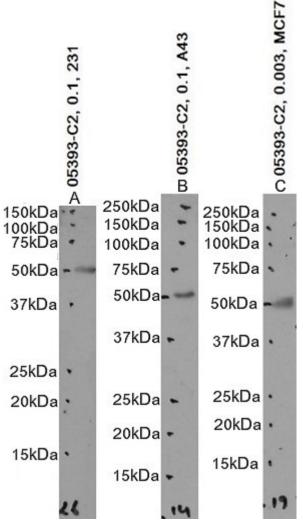
Immunofluorescence: Strong expression of the protein seen in A431 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

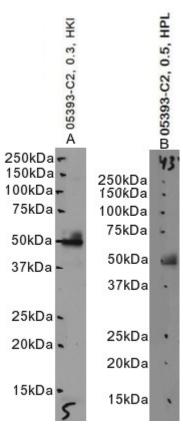
Tested: Human

Expected from sequence similarity: Human



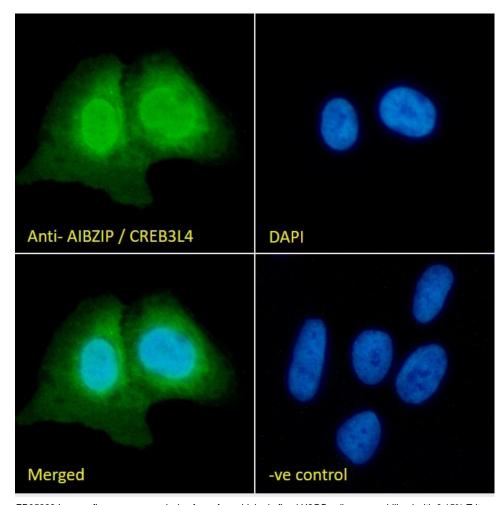
EB05393 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B: MDA-MB-231, A431 cell lysate at primary Ab concentration 0.1µg/ml, Image C: MCF7 cell lysate at primary Ab concentration 0.003µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

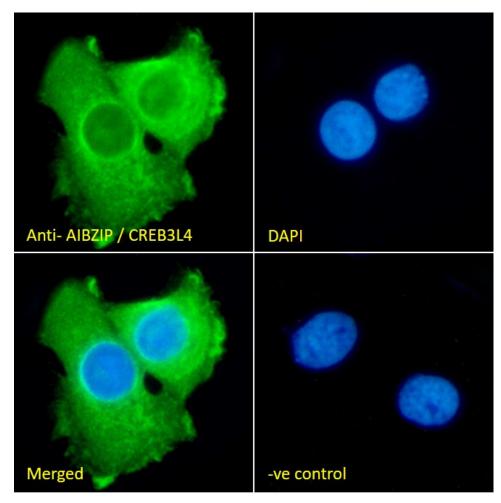


EB05393 optimised QC. Primary incubation 1 hour at room temperature.

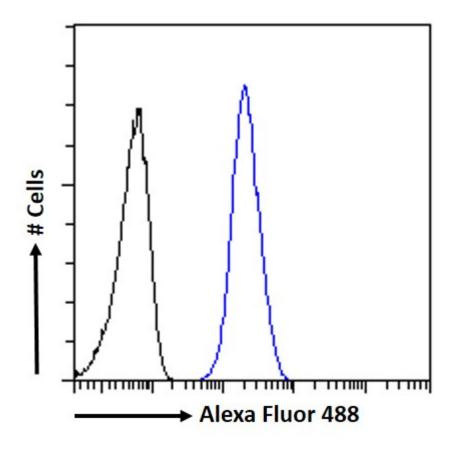
Images A, B: Human Kidney and Placenta lysate at primary Ab concentration 0.5μg/ml. (Loaded 35μg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB05393 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, nuclear membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

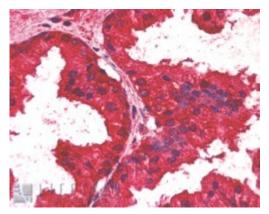


EB05393 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05393 Flow cytometric analysis of paraformaldehyde fixed A431 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.



EB05393 (2.5μg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.