

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB06671 - Goat Anti-RBP1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: RBP1, CRBP, RBPC, CRBP1, CRABP-I, retinol binding protein 1, cellular, retinol-binding protein 1, cellular, CRBPI Official Symbol: RBP1 Accession Number(s): NP_002890.2 Human GeneID(s): <u>5947</u>

Immunogen

Peptide with sequence VEGVVCKQVFKKVQ, from the C Terminus of the protein sequence according to NP_002890.2.

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 1:4000.

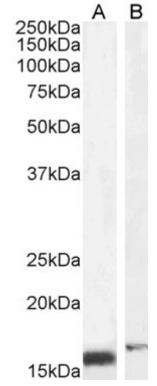
Western blot: Approx 16kDa band observed in NIH3T3 and approx 17kDa in U251 cell lysates. This molecular weight is routinely observed by other sources. (calculated MW of 22.3kDa according to Human NP_002890.2 and 15.8kDa according to Mouse NP_035384.1). Recommended concentration: 0.5-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Expression of the protein seen in the cytoplasm and nucleus of U2OS cells. Recommended concentration: 10µg/ml.

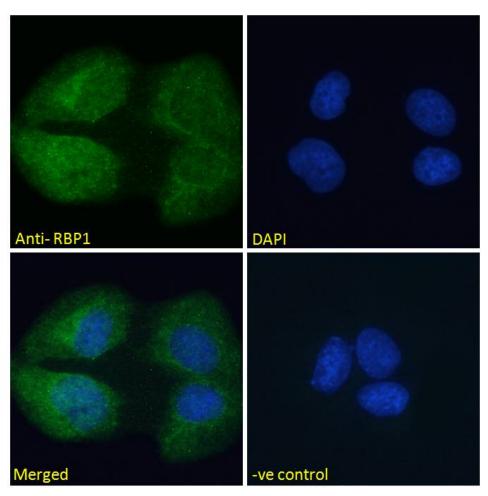
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

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

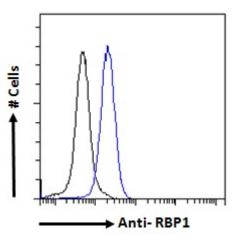


EB06671 (2µg/ml) staining of NIH3T3 (A) and (0.5ug/ml) of U251 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06671 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 cytoplasmic

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



EB06671 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation overnight (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.