



## UK 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):** [5947](#)

### 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.

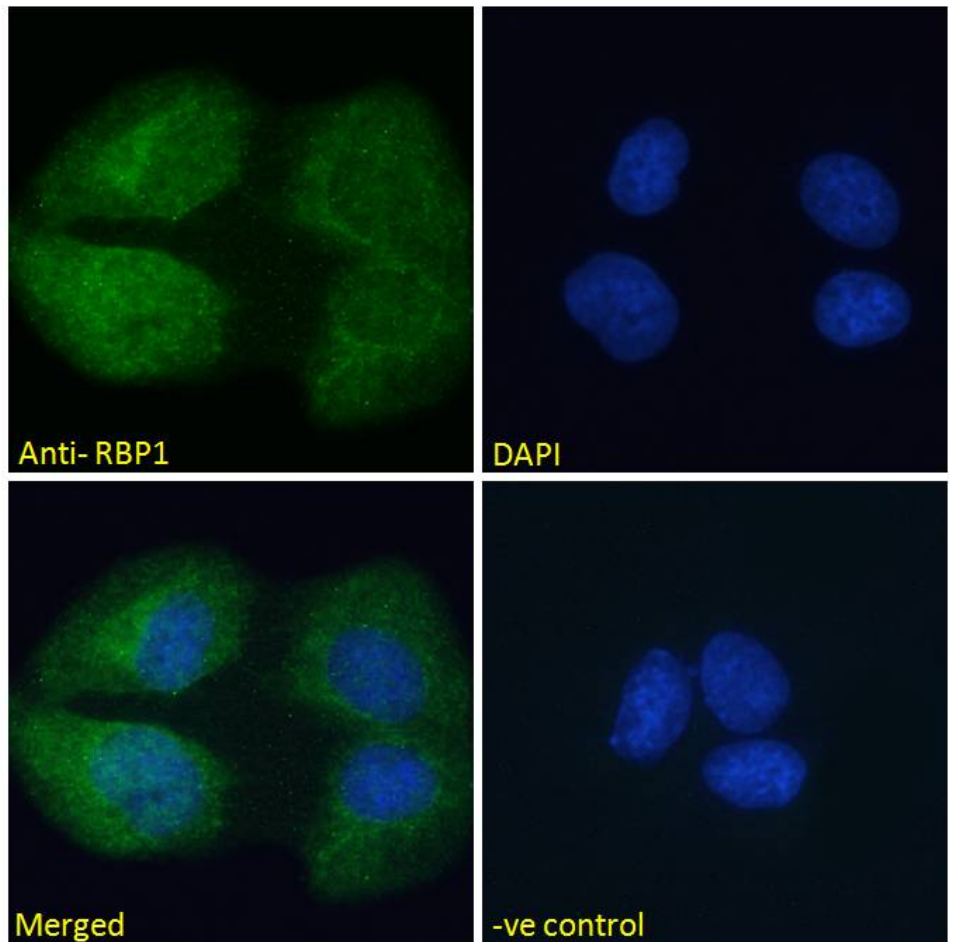
### Species Reactivity

**Tested:** Human, Mouse

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

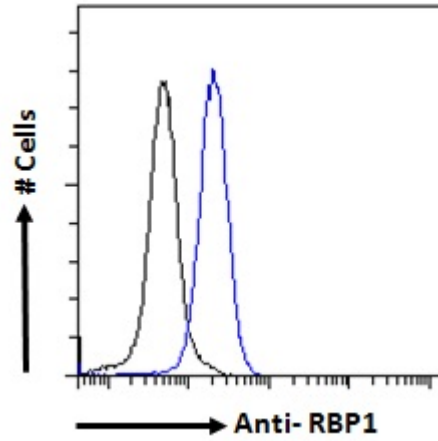


EB06671 (2 $\mu$ g/ml) staining of NIH3T3 (A) and (0.5 $\mu$ g/ml) of U251 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06671 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/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.