

#### **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): 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.

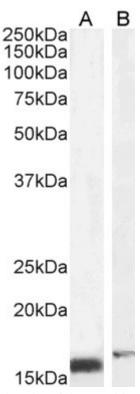
**Immunofluorescence:** Expression of the protein seen in the cytoplasm and nucleus of U2OS cells. Recommended concentration: 10µg/ml.

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

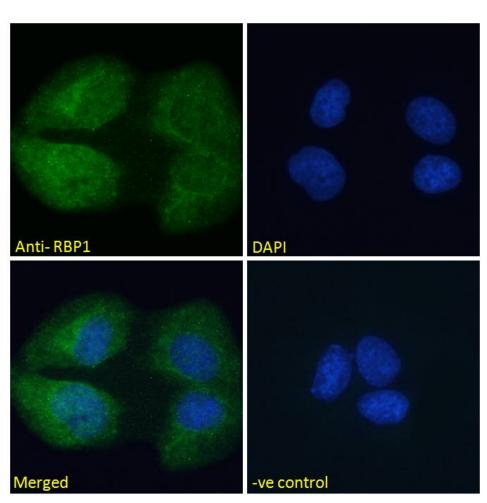
### **Species Reactivity**

Tested: Human, Mouse

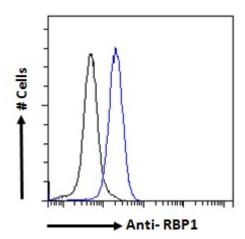
Expected from sequence similarity: Human, Mouse, Cow



EB06671 (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



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.