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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB10067 - Goat Anti-IGF2BP1/IMP1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: coding region determinant-binding protein, CRDBP, CRD-BP, IGF II mRNA binding protein 1, IGF2 mRNA-binding protein 1, IMP1, IMP-1, insulin-like growth factor 2 mRNA binding protein 1, VICKZ family member 1, VICKZ1, ZBP1, zipcode-binding protein 1, IGF2BP1

Official Symbol: IGF2BP1

Accession Number(s): NP_006537.3; NP_001153895.1

Human GeneID(s): [10642](#)

Non-Human GeneID(s): 140486 (mouse), 303477 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_006537.3; NP_001153895.1).

Immunogen

Peptide with sequence C-EKVFAEHKISYSGQ, from the internal region of the protein sequence according to NP_006537.3; NP_001153895.1.

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 1:16000.

Western blot: Approx 65kDa band observed in lysates of cell line Caco-2 and approx. 70kDa in lysates of cell line K562 and in nuclear cell lysates of HepG2 and NIH3T3 (calculated MW of 63.5kDa according to Human NP_006537.3 and Mouse NP_034081.1). Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room temperature.

Positive Control: A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability.

IHC: Paraffin embedded Human Breast. Recommended concentration: 3.75µg/ml.

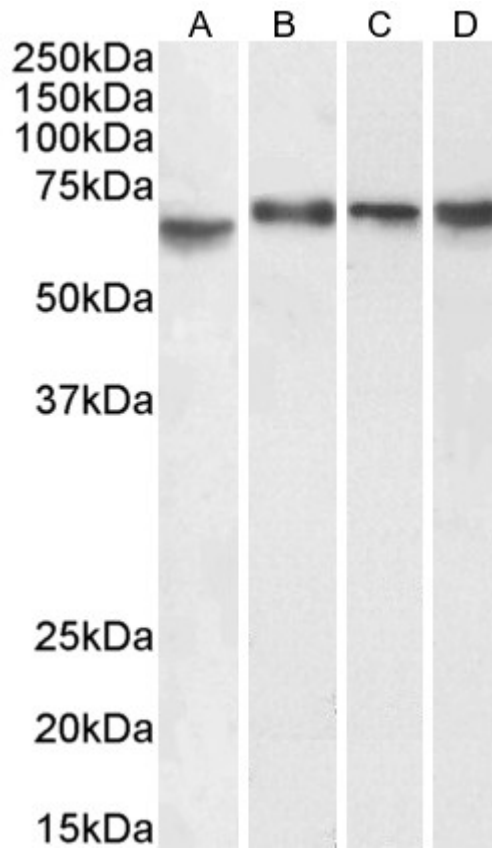
Immunofluorescence: Strong expression of the protein seen in HepG2 and NIH3T3 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10µg/ml.

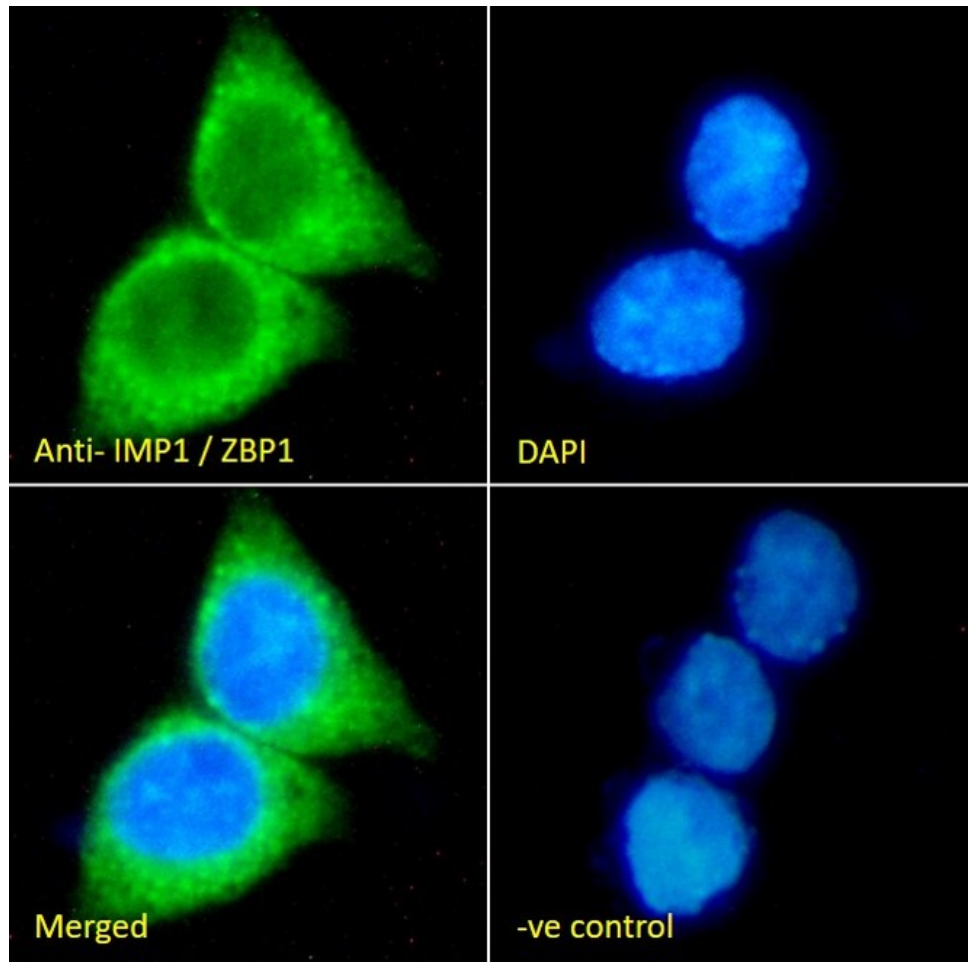
Species Reactivity

Tested: Human, Mouse

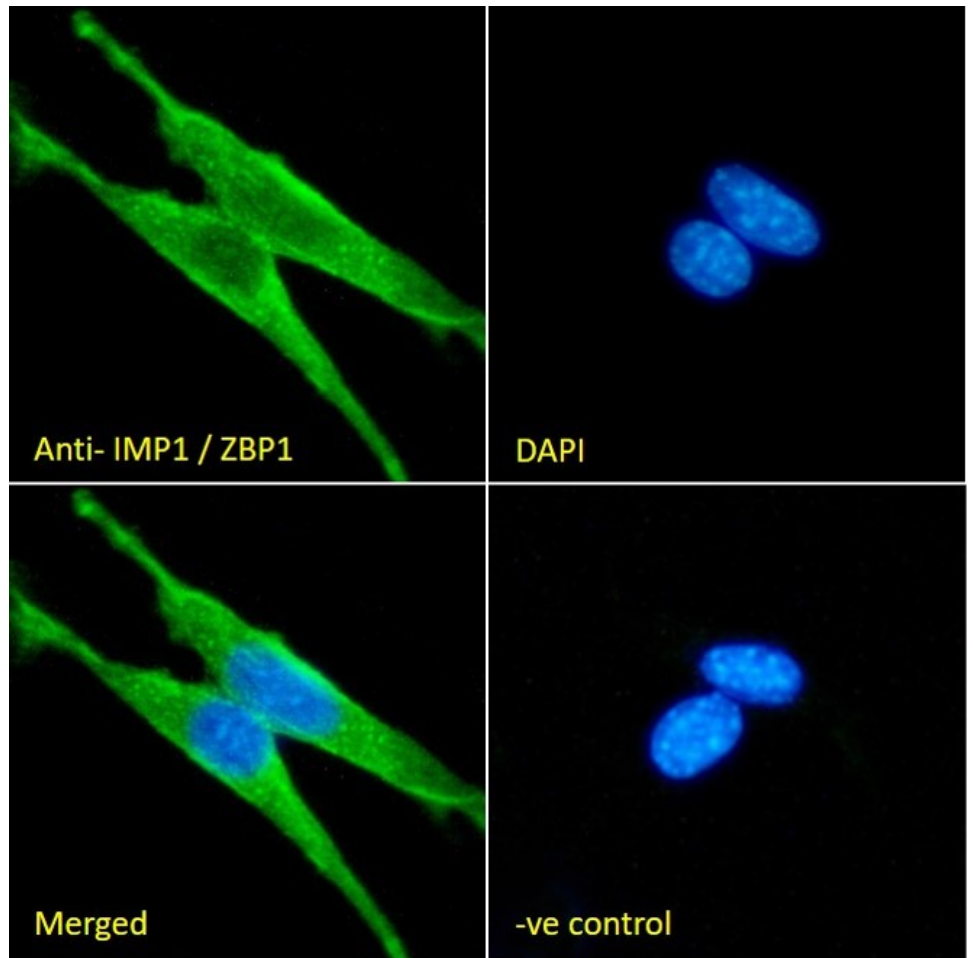
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



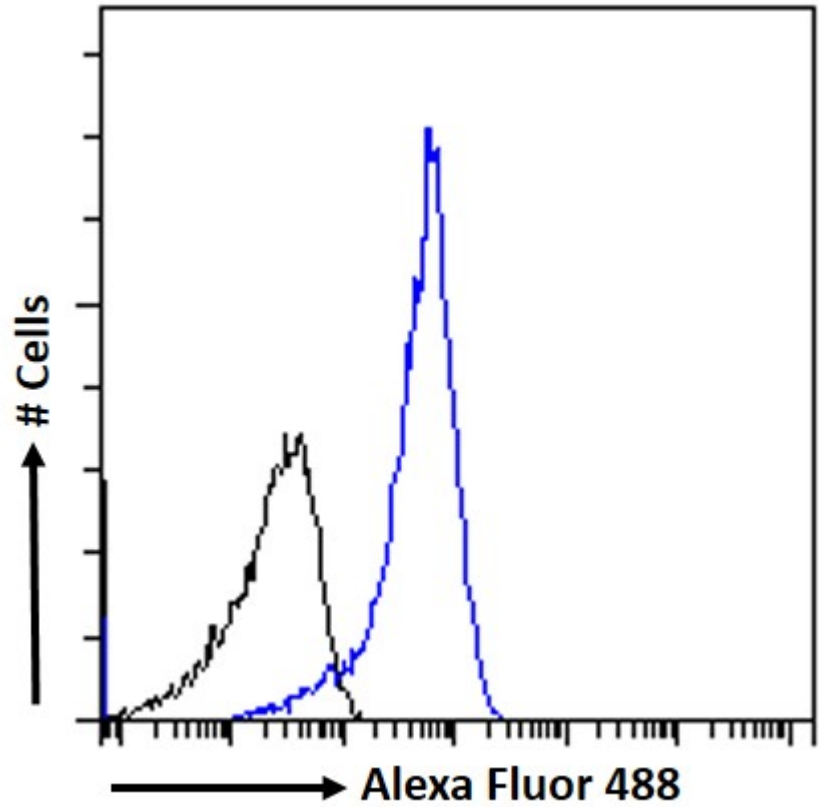
EB10067 (0.1 μ g/ml) staining of Caco-2 (A), (0.3 μ g/ml) K562 (B), nuclear HepG2 (C) and (1 μ g/ml) nuclear NIH3T3 (D) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



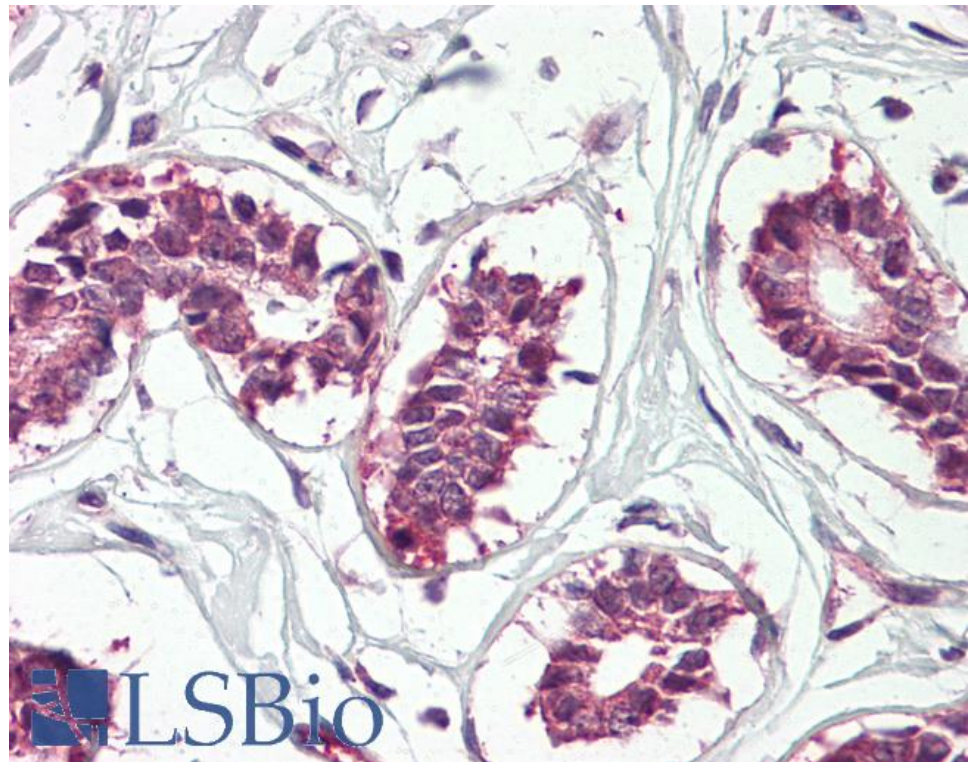
EB10067 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10067 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear 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).



EB10067 Flow cytometric analysis of paraformaldehyde fixed HepG2 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.



EB10067 (3.75µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.