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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

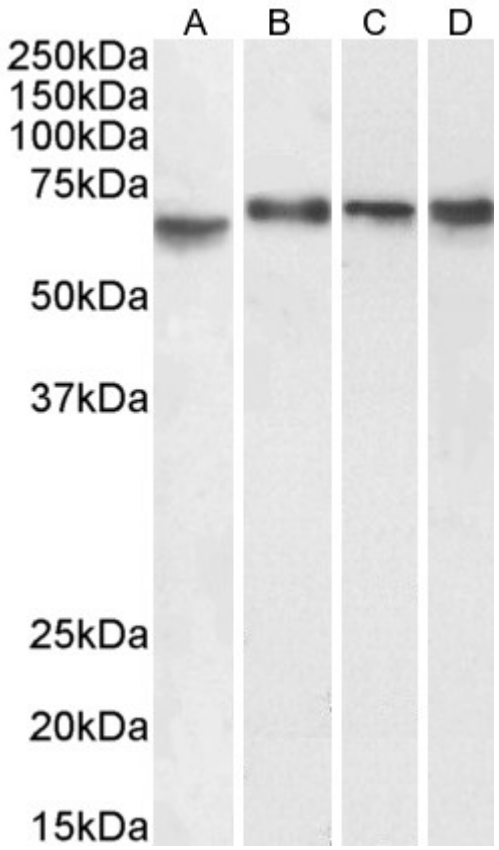
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 65kDa band observed in lysates of cell line Caco-2 and approx. 70kDa in lysates of cell line K562 and in nuclear cell lysates of HepG2 and NIH3T3 (calculated MW of 63.5kDa according to Human NP_006537.3 and Mouse NP_034081.1). 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.

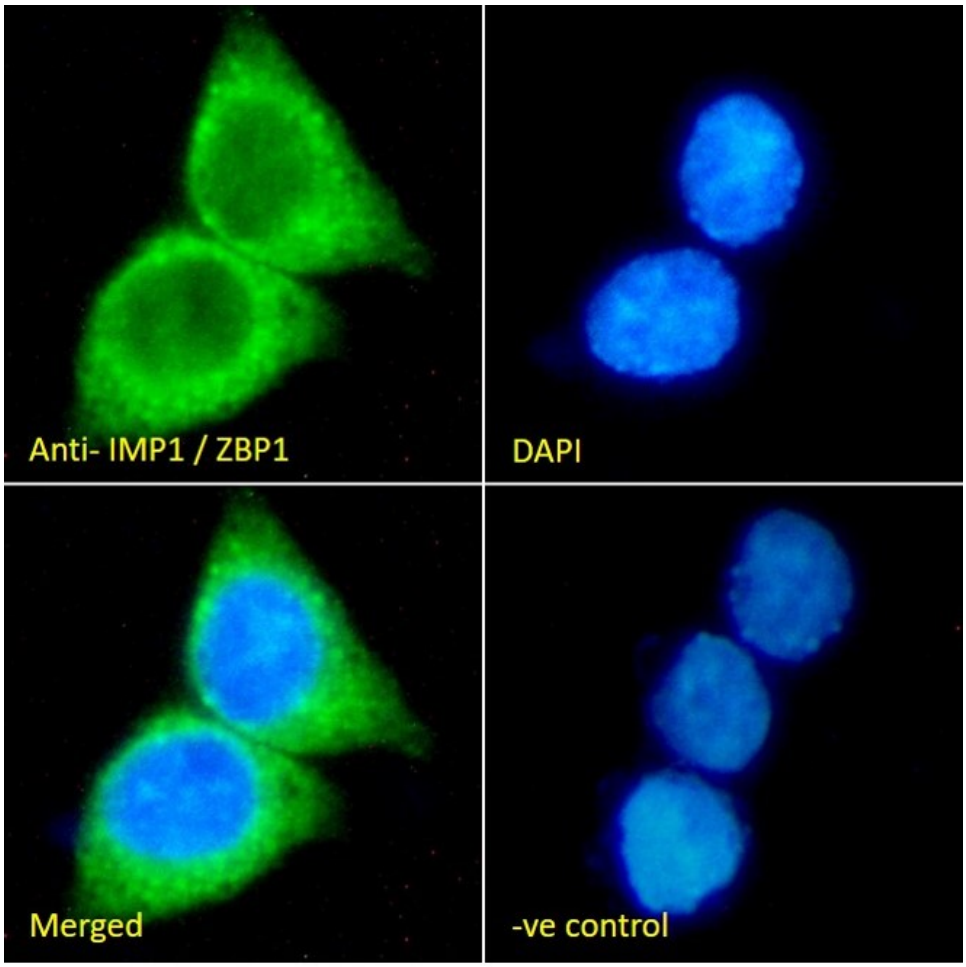
Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

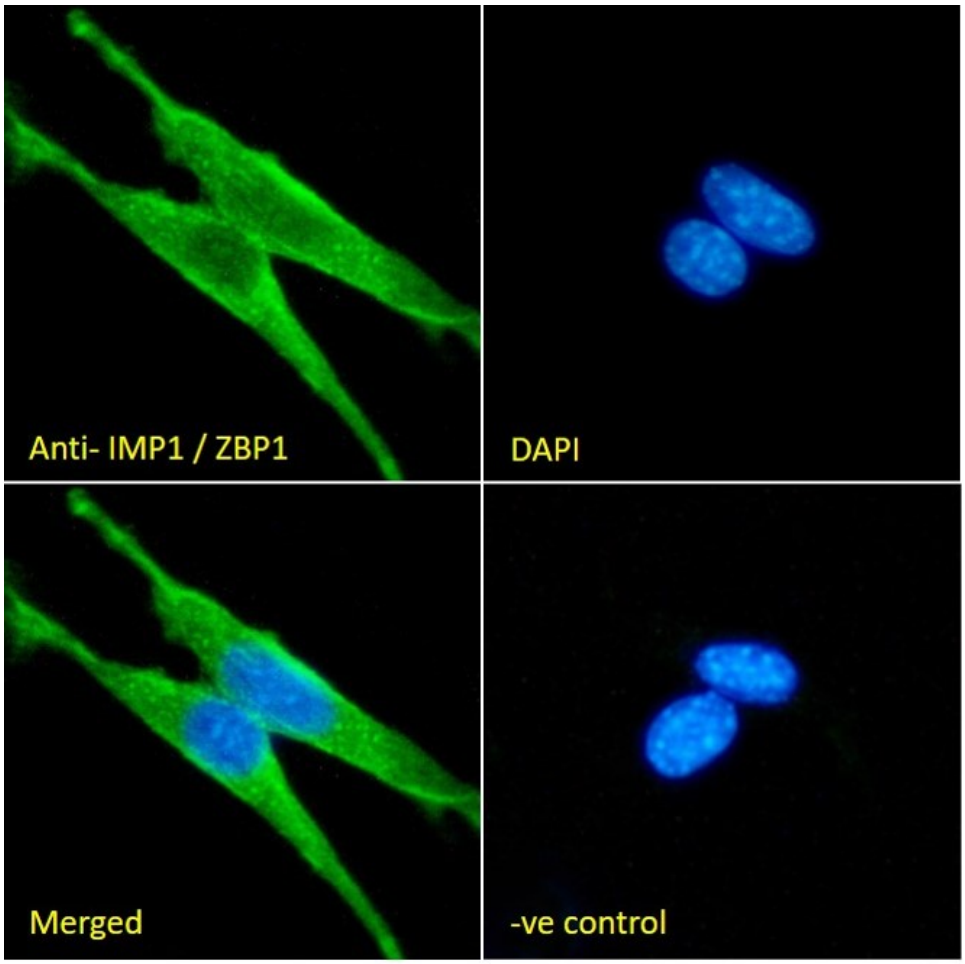
Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



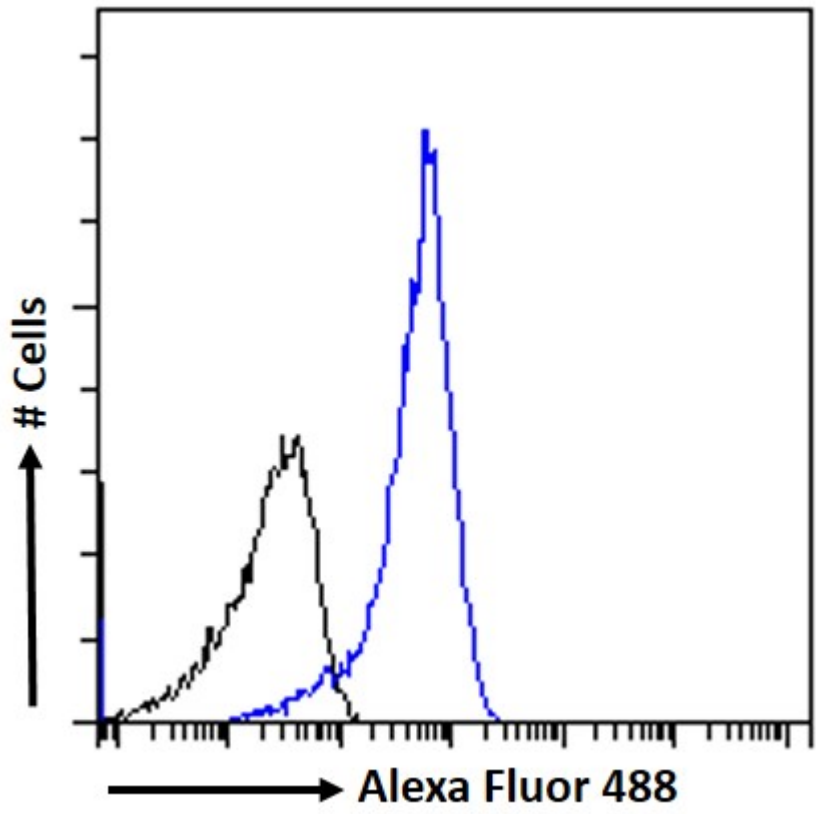
EB10067 (0.1µg/ml) staining of Caco-2 (A), (0.3µg/ml) K562 (B), nuclear HepG2 (C) and (1µg/ml) nuclear NIH3T3 (D) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



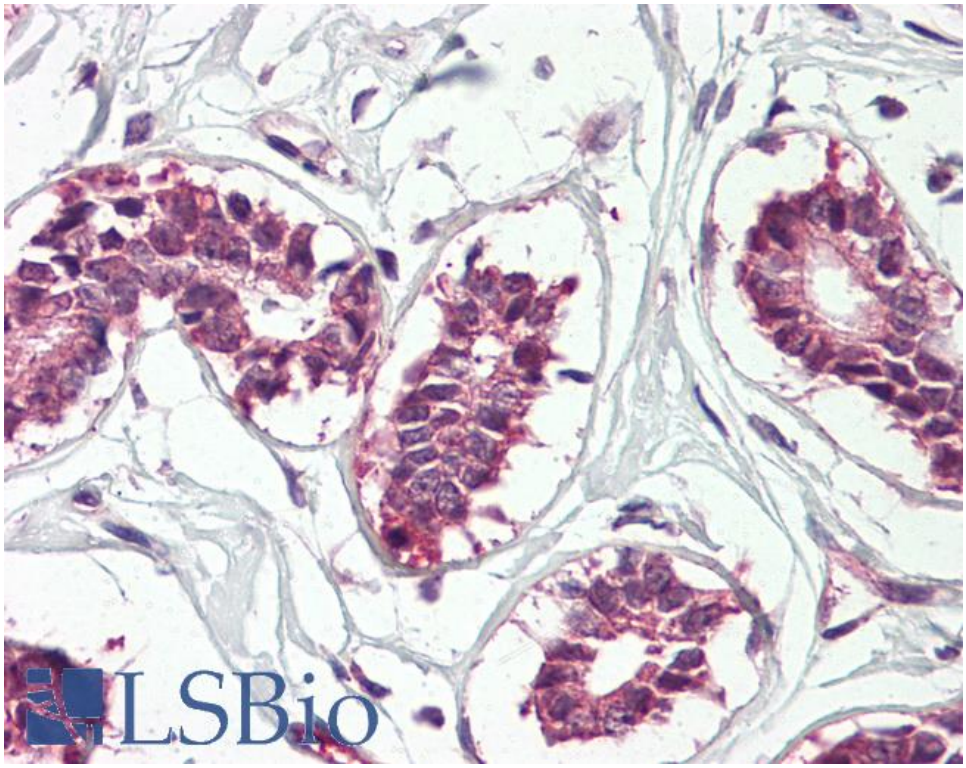
EB10067 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG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