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EB09138 - Goat Anti-ITM2B Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ITM2B, integral membrane protein 2B, ABRI, BRI, BRI2, BRICD2B, E25B, E3-16, FBD, BRICHOS domain containing 2B, OTTHUMP00000018394
Official Symbol: ITM2B
Accession Number(s): NP_068839.1
Human GeneID(s): 9445
Non-Human GeneID(s): 16432 (mouse), 290364 (rat)

Immunogen

Peptide with sequence C-HDKETYKLQRRETIK, from the internal region of the protein sequence according to NP_068839.1.

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

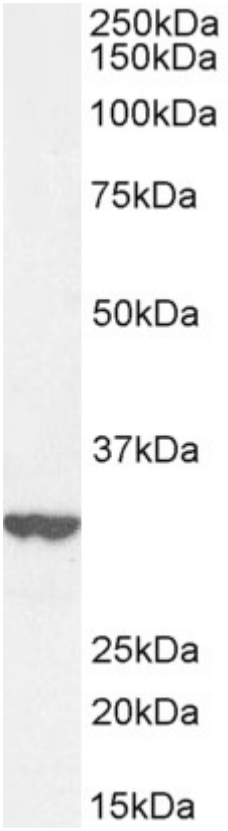
Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx. 30-35kDa band observed in HepG2 cell lysates (calculated MW of 30.3kDa according to NP_068839.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Rat and Mouse Brain for this particular batch.
IHC: Paraffin embedded Human Small Intestine. Recommended concentration: 2.5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and Golgi apparatus of A431 and HeLa cells. Recommended concentration: 10µg/ml.

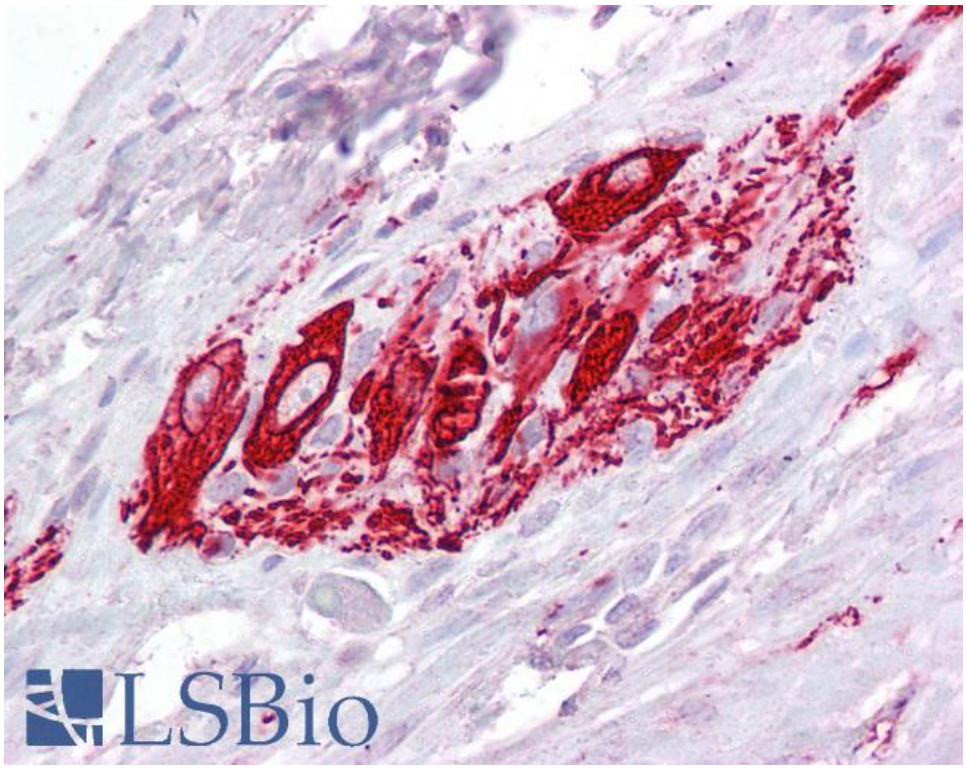
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

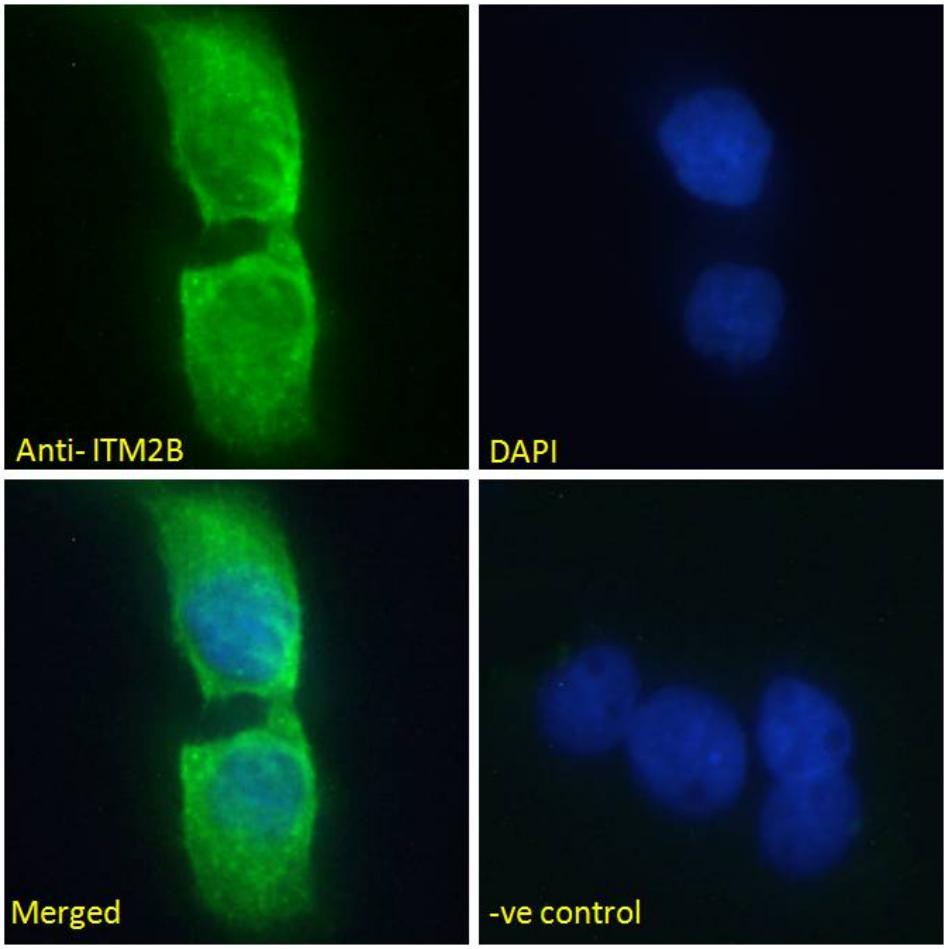
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Cow



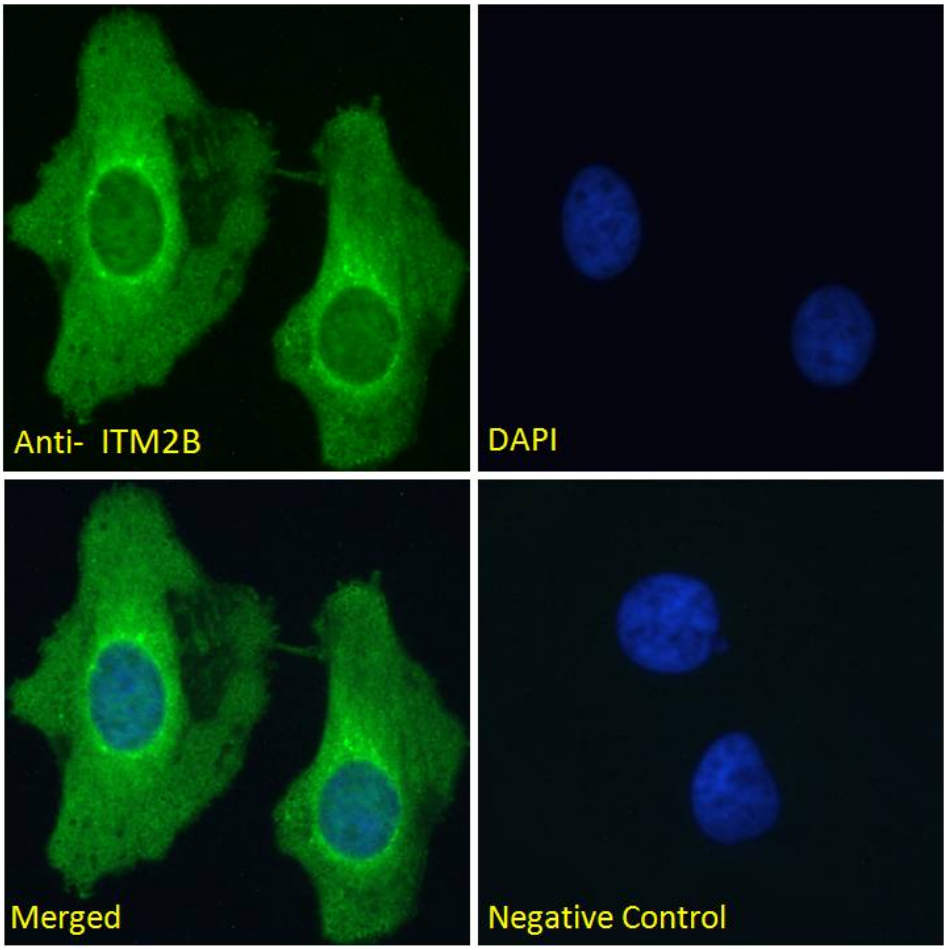
EB09138 (0.3µg/ml) staining of HepG2 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



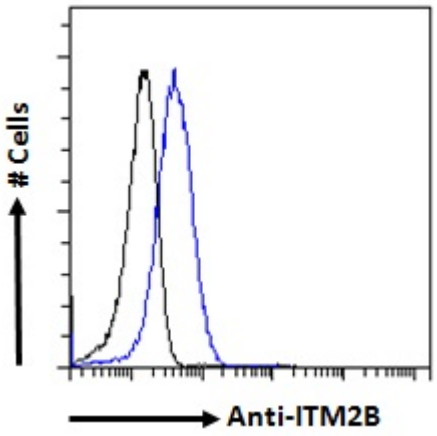
EB09138 (2.5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09138 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi apparatus 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).



EB09138 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi apparatus 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).



EB09138 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.