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EB07171 - Goat Anti-TRAF2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: TRAF2, TNF receptor-associated factor 2, MGC:45012, TRAP, TRAP3, OTTHUMP00000064745, tumor necrosis factor type 2 receptor associated protein 3
Official Symbol: TRAF2
Accession Number(s): NP_066961.2
Human GeneID(s): 7186
Non-Human GeneID(s): 22030 (mouse)

Immunogen

Peptide with sequence C-KMEAKNSYVRDD, from the C Terminus of the protein sequence according to NP_066961.2.

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

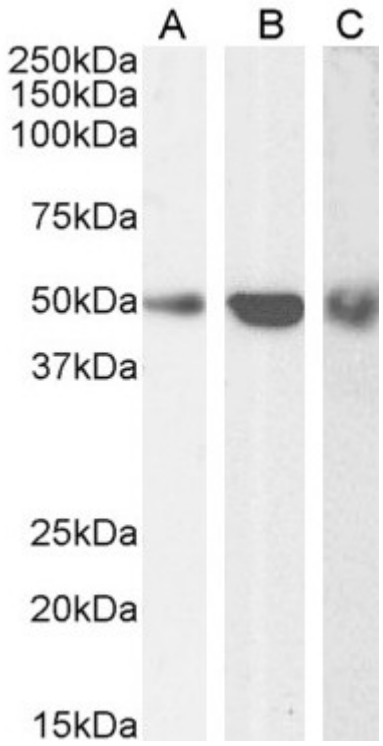
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 50kDa band observed in Human Ovary and Mouse Testis lysates and in lysates of cell lines HepG2 and Jurkat. Preliminary testing also showed a band at approx 50kDa in U937, NIH3T3 and HEK293 cell lysates (calculated MW of 55.9kDa; according to Human NP_066961.2). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Pancreas, Kidney and Placenta. Recommended concentration: 3.75µg/ml.

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

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

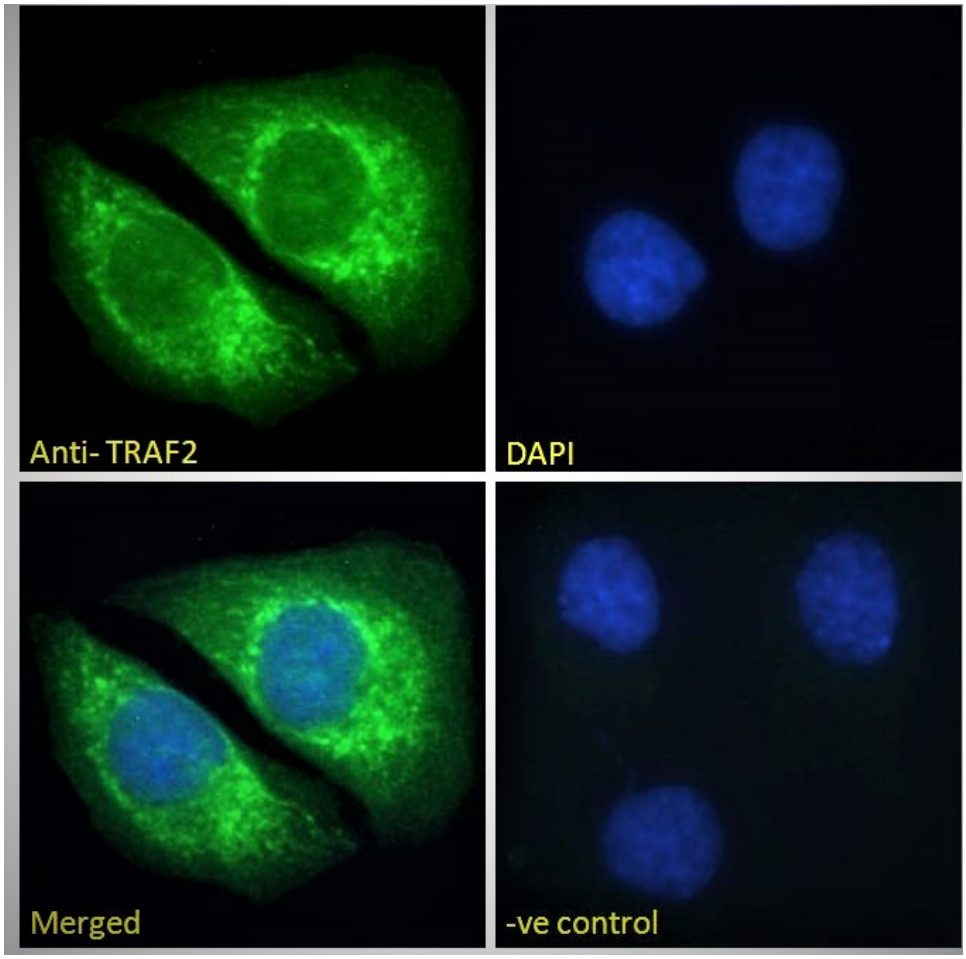
Species Reactivity

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

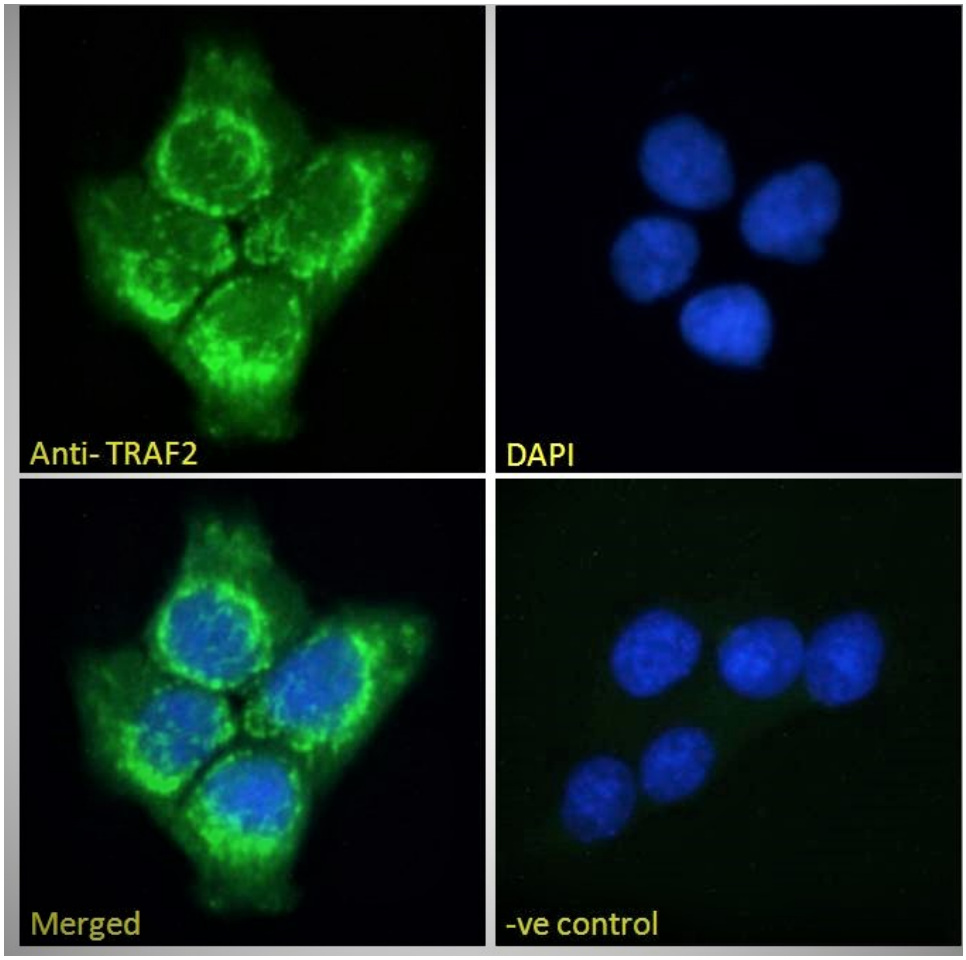


EB07171 (0.1ug/ml) staining of HepG2 (A) cell lysate, (0.5µg/ml) Human Ovary (B) lysate and (0.1ug/ml) Jurkat (C) cell lysate. 35µg protein in RIPA buffer). Detected by chemiluminescence.

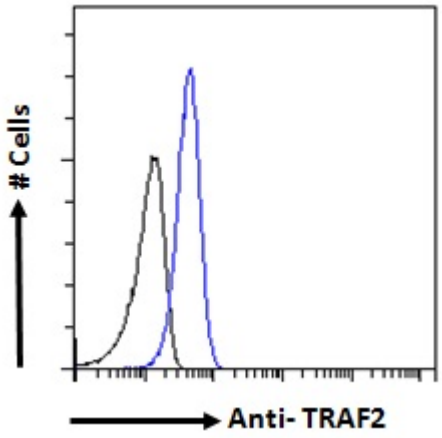
EB07171 (0.3ug/ml) staining of Mouse Testes lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



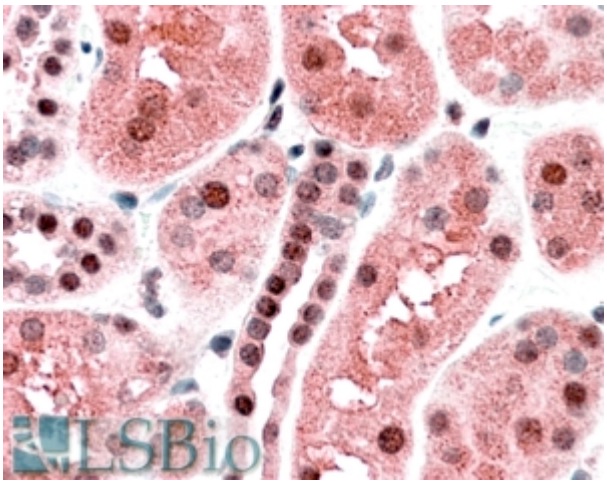
EB07171 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



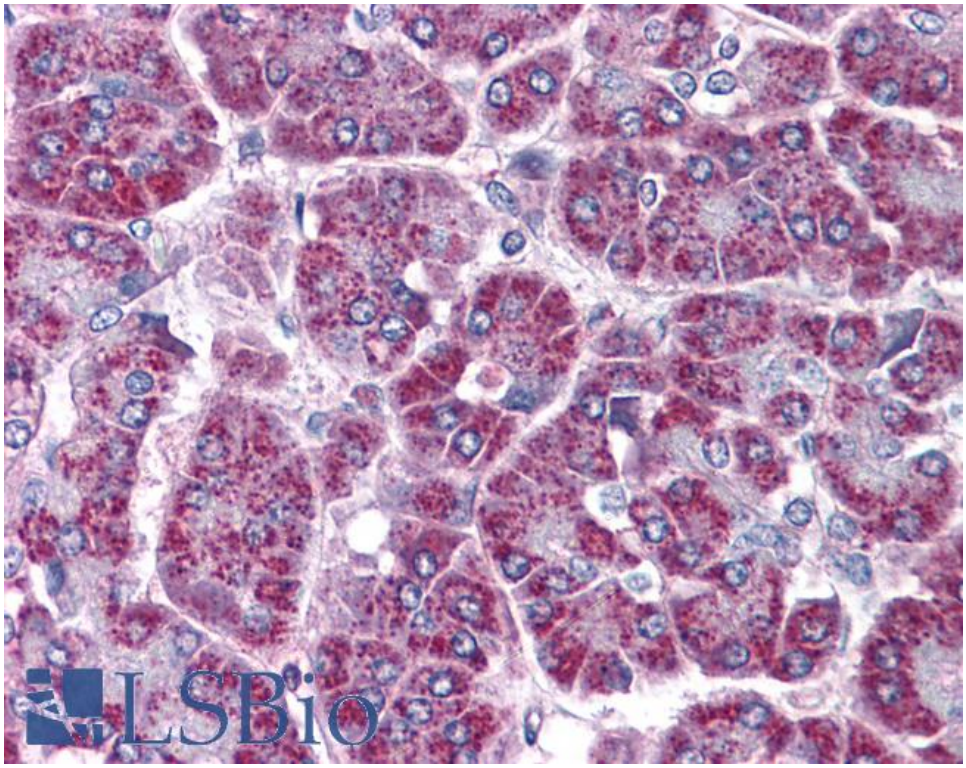
EB07171 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



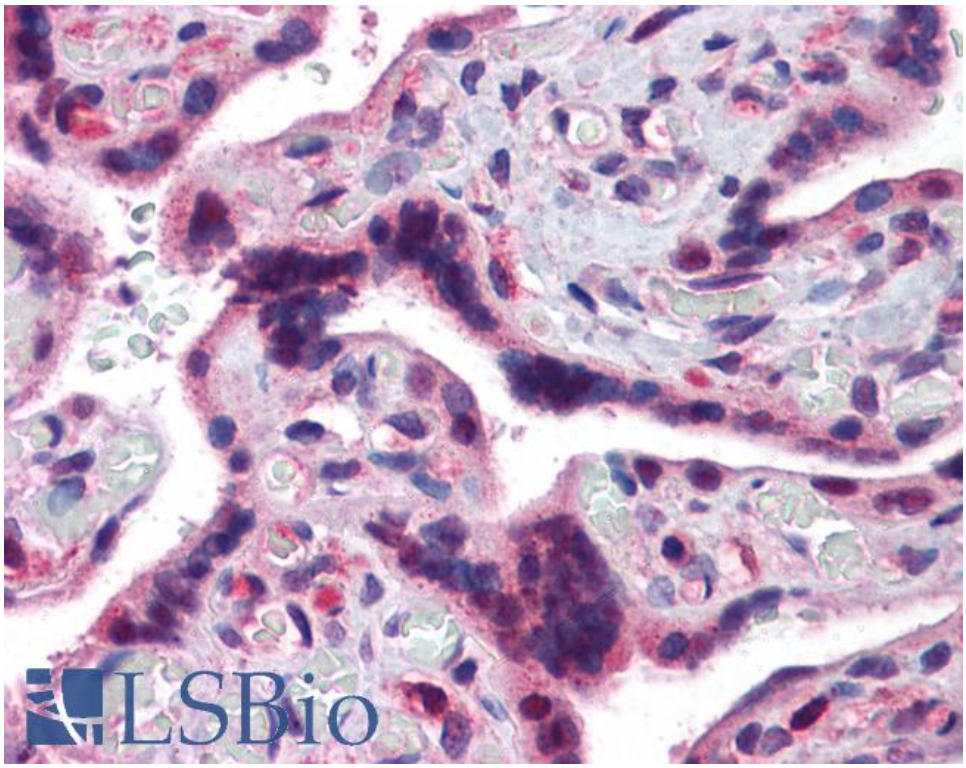
EB07170 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07171 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07171 (3.75µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07171 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.