

## UK Office

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

## 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.

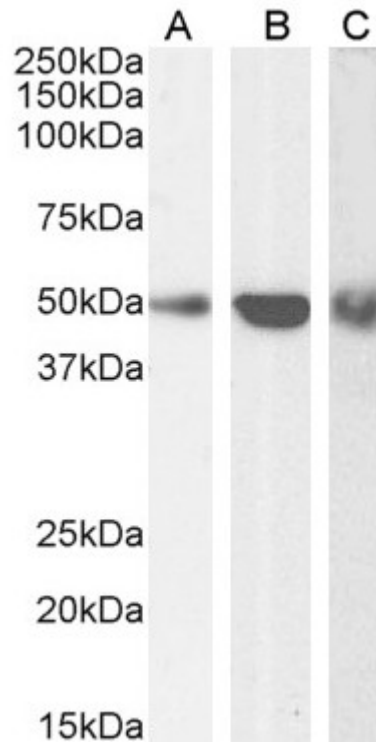
**Immunofluorescence:** Strong expression of the protein seen in the endoplasmic reticulums of HeLa and A431 cells. Recommended concentration: 10µg/ml.

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

### Species Reactivity

**Tested:** Human, Mouse

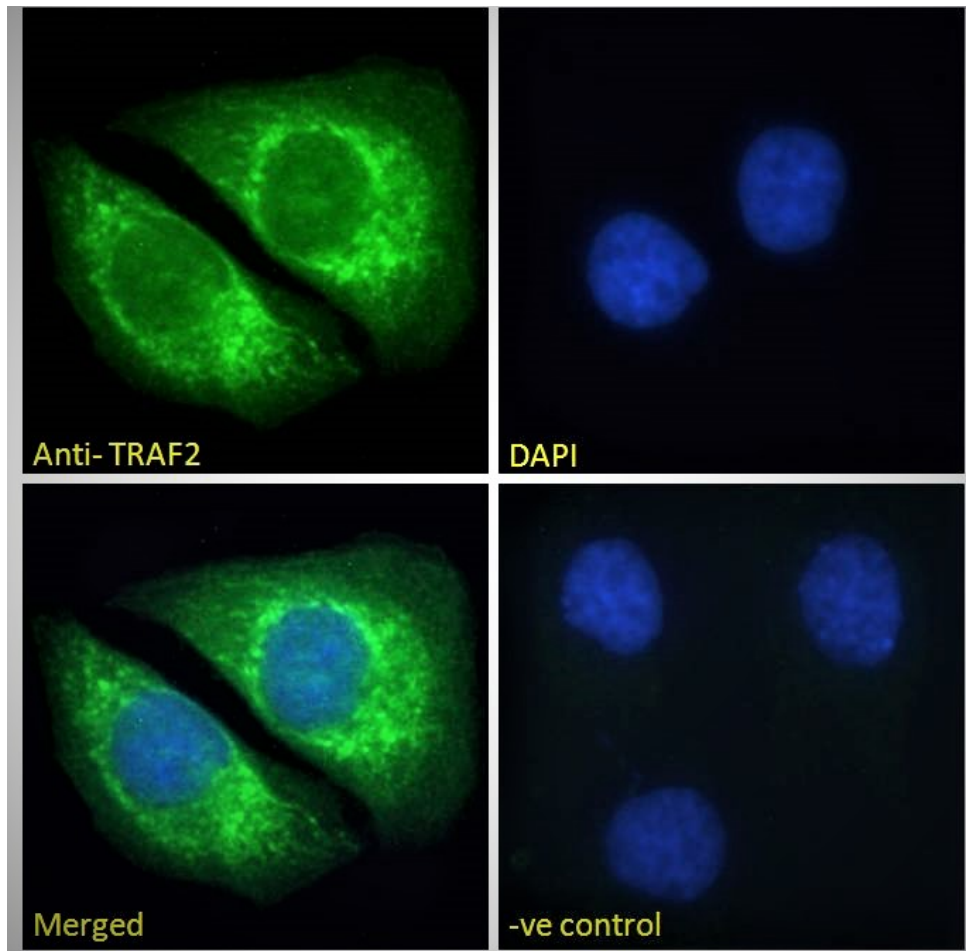
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



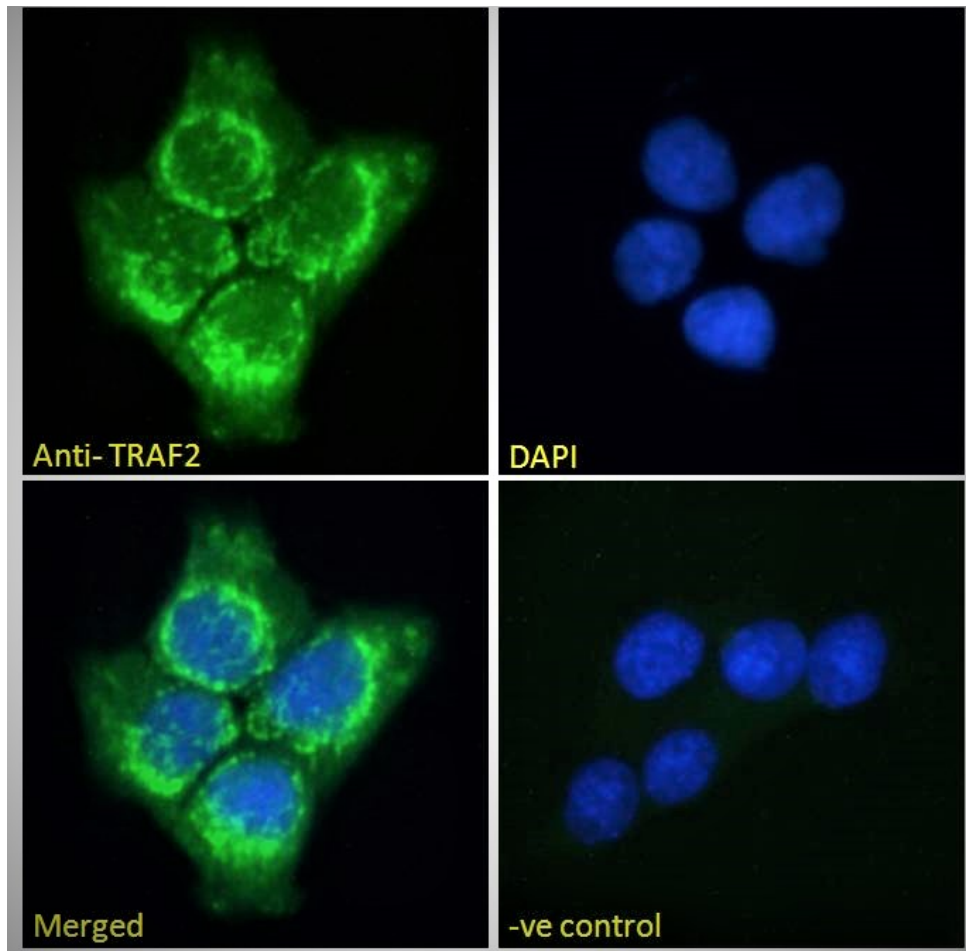
EB07171 (0.1ug/ml) staining of HepG2 (A) cell lysate, (0.5µg/ml) Human Ovary (B) lysate and (0.1ug/ml) Jurkat (C) cell lysate. 35µg protein in RIPA buffer). Detected by chemiluminescence.



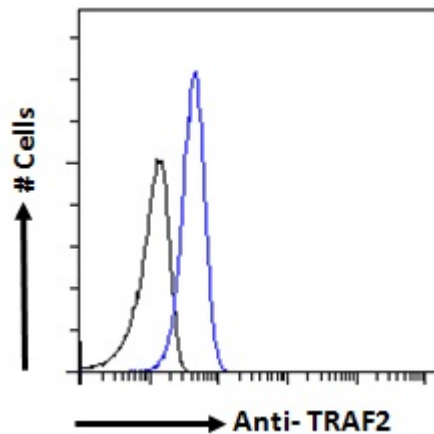
EB07171 (0.3ug/ml) staining of Mouse Testes lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



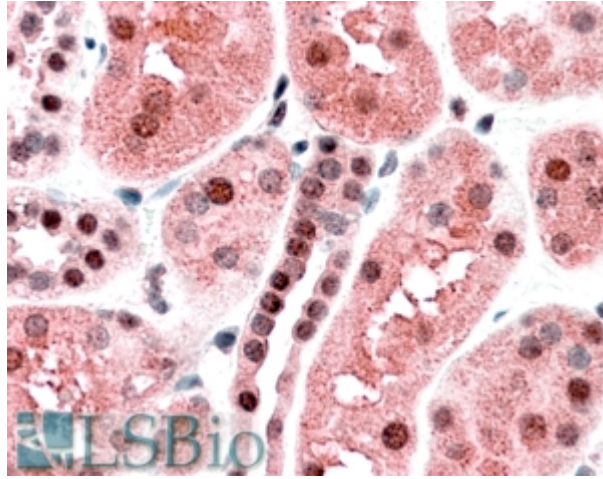
EB07171 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: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



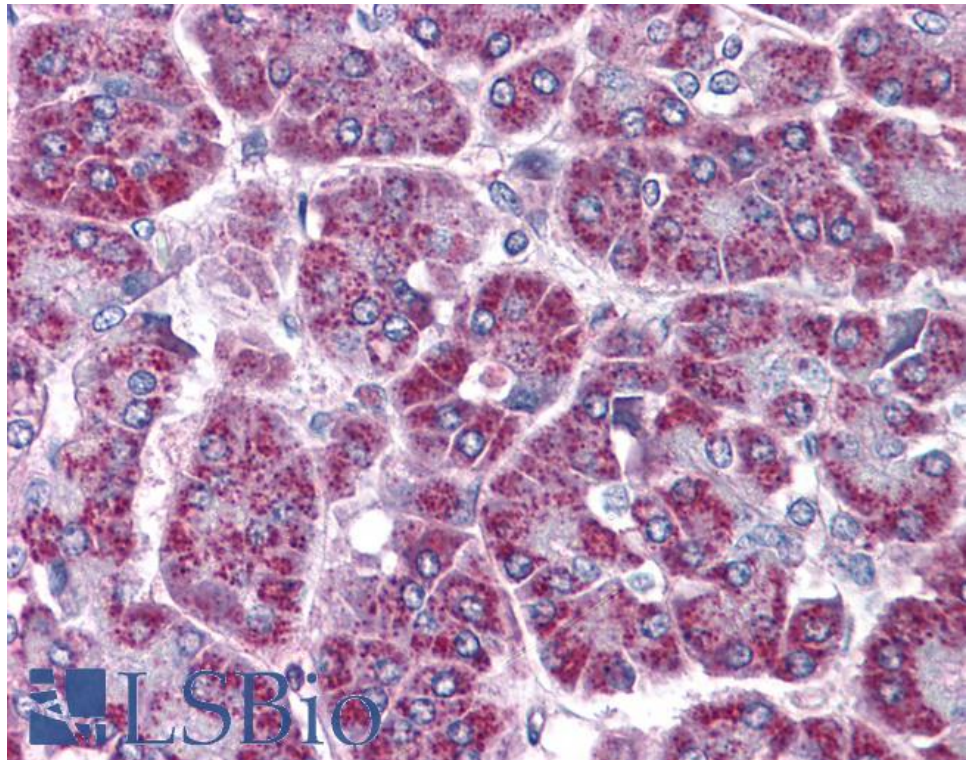
EB07171 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: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



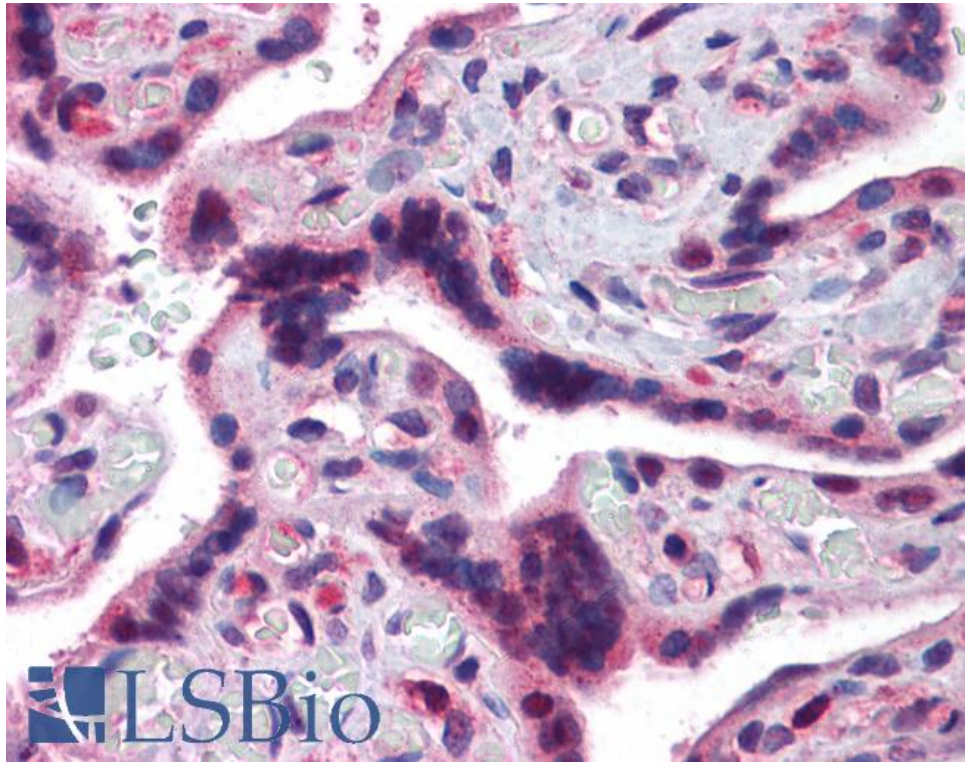
EB07170 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



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.