UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

EB08892 - Goat Anti-TFAP2D Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: TFAP2D, transcription factor AP-2 delta (activating enhancer binding protein 2 delta), TFAP2BL1, AP-2 like, OTTHUMP00000016593, activating enhancer binding protein 2 beta-like 1, transcription factor AP-2 beta (activating enhancer binding protein 2 beta)-like 1, transcription factor AP-2 beta (activating enhancer-binding protein 2 beta)-like 1, transcription factor AP-2 beta-like 1
Official Symbol: TFAP2D
Accession Number(s): NP_758438.2
Human GeneID(s): 83741
Non-Human GeneID(s): 226896 (mouse), 301284 (rat)

Immunogen

Peptide with sequence C-HHQSFHYEFQHSHP, from the internal region of the protein sequence according to NP_758438.2.

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 1:64000.
Western blot: Approx. 48kDa band observed in nuclear lysates of cell line NIH3T3 and approx. 50kDa in Human Ovary lysates, and in preliminary testing of Human Placenta lysate (calculated MW of 49.5kDa according to Human NP_758438.2 and Mouse NP_694794.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in A549 and U2OS cells. Recommended concentration: 10µg/ml.

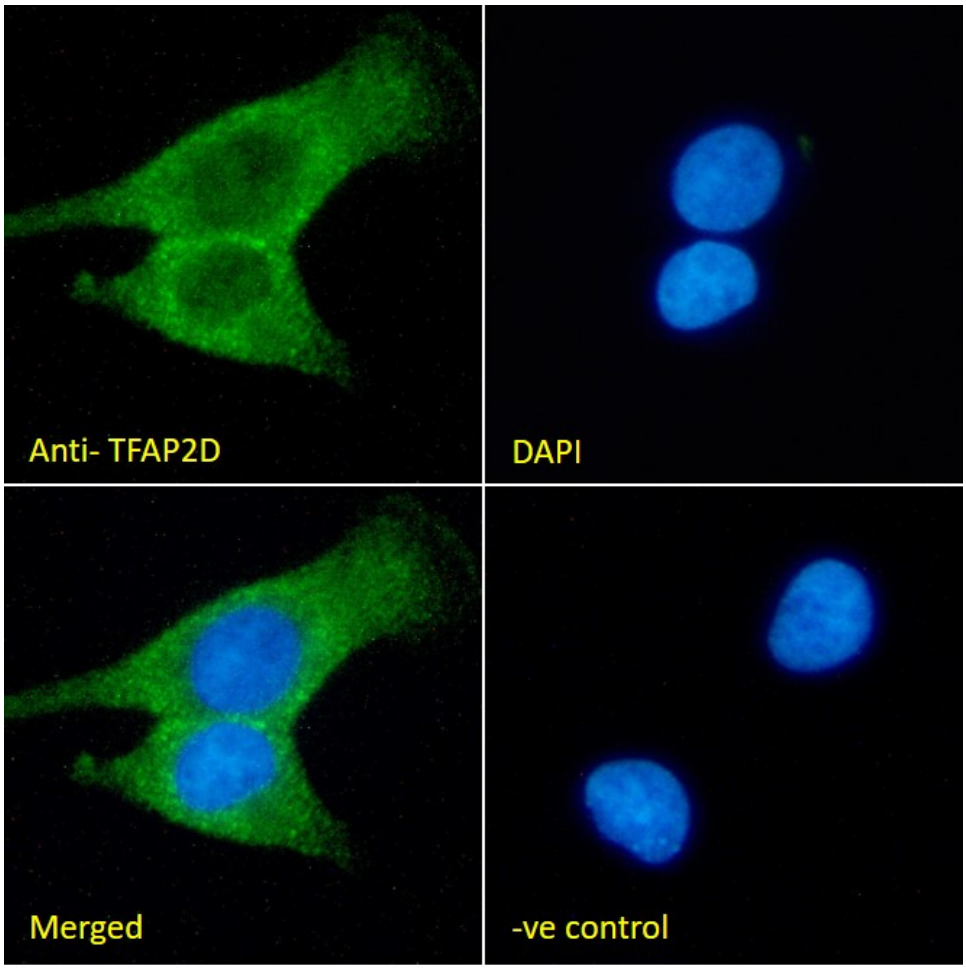
Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Species Reactivity

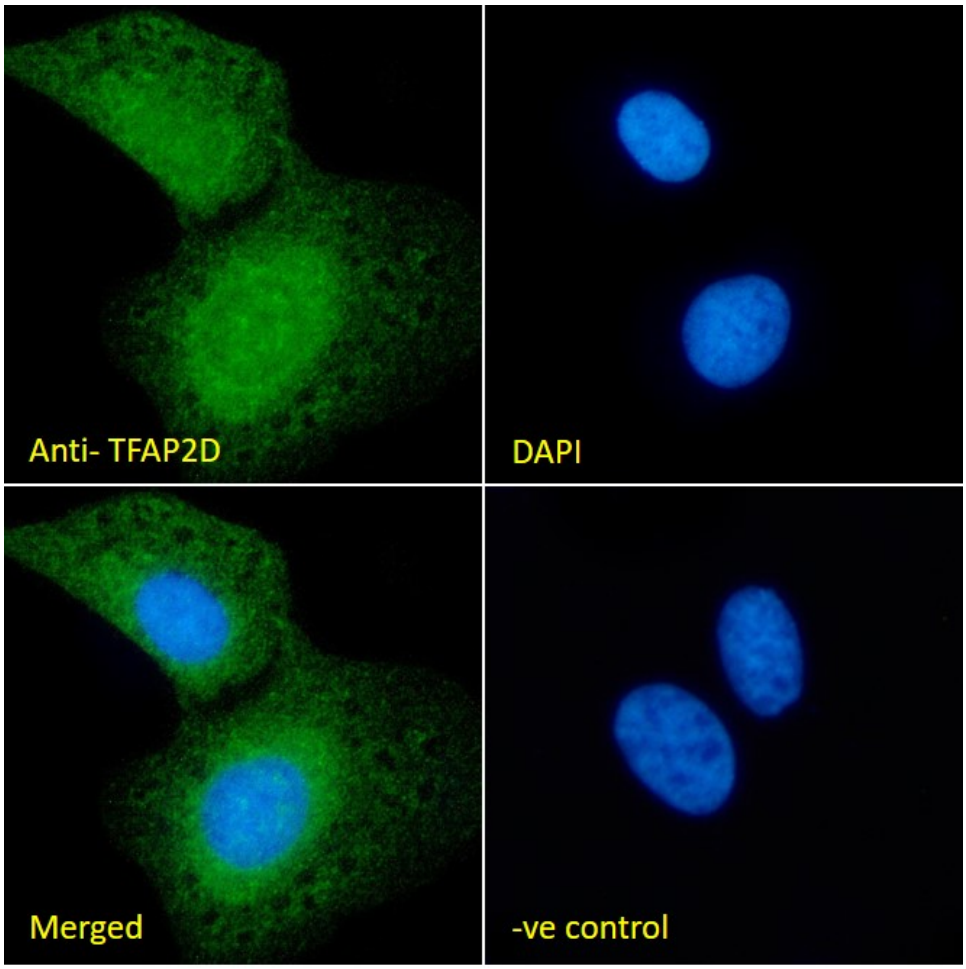
Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse, Cow

EB08892 (1µg/ml) staining of NIH3T3 nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminecence.

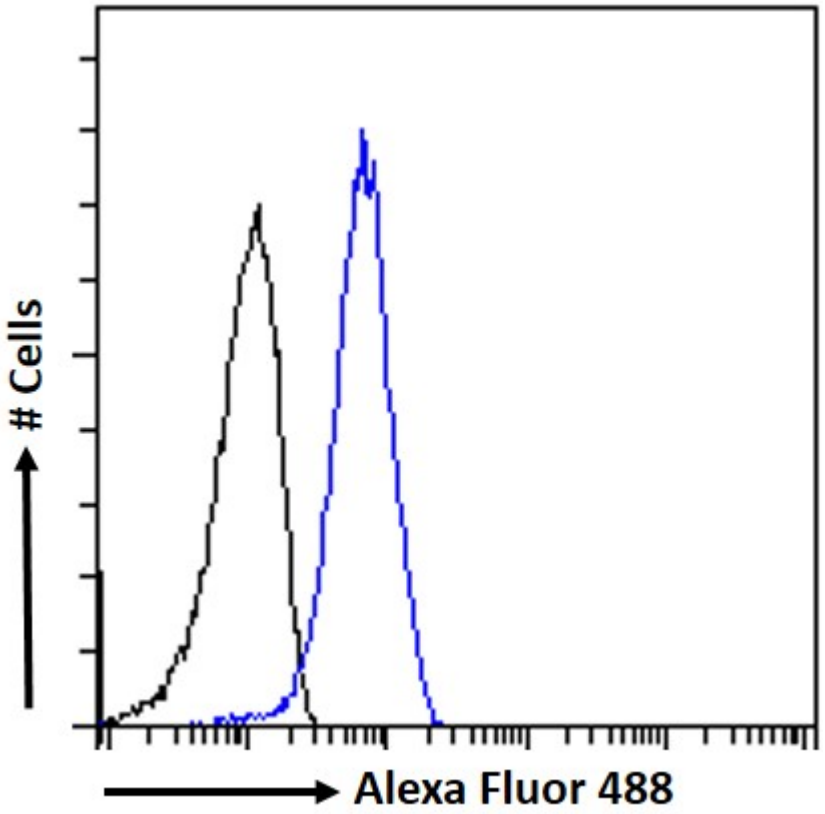
EB08892 (2µg/ml) staining of Human Ovary lysate (35µg protein in RIPA buffer). Detected by chemiluminecence.



EB08892 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08892 Immunofluorescence analysis of paraformaldehyde fixed U2OS 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).



EB08892 Flow cytometric analysis of paraformaldehyde fixed A549 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.