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EB06304 - Goat Anti-EDF1 / MBF1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: EDF1, MBF1, EDF-1, MGC9058, endothelial differentiation-related factor 1, multiprotein bridging factor 1
Official Symbol: EDF1
Accession Number(s): NP_003783.1; NP_694880.1; NP_001268226.1; NP_001268227.1; NP_001268228.1
Human GeneID(s): 8721
Non-Human GeneID(s): 59022 (mouse)

Immunogen

Peptide with sequence AESDWDTVTVLRK-C, from the N Terminus of the protein sequence according to NP_003783.1; NP_694880.1; NP_001268226.1; NP_001268227.1; NP_001268228.1.

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 1:32000.
Western blot: Approx 19kDa band observed in nuckear lysates of cell line HEK293, approx. 18kDa in nuckear lysates of cell line HeLa, and approx 17kDa in nuckear lysates of cell line NIH3T3 (calculated MW of 16.4kDa according to Human NP_003783.1 and Mouse NP_067494.1). Recommended concentration: 0.3-1µg/ml. This molecular weight is routinely observed by other sources. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Pancreas and Brain (Cortex). Recommended concentration: 3.75µg/ml.

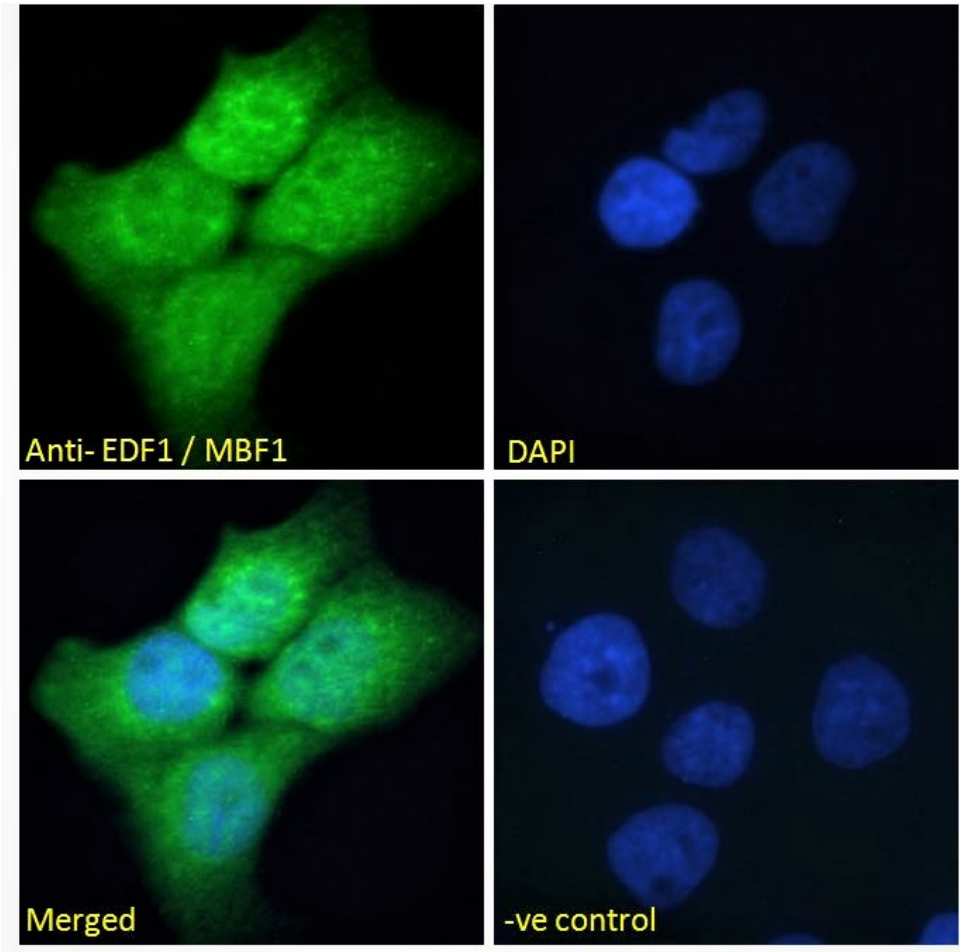
Immunofluorescence: Strong expression of the protein seen in the nuclei of A431 and HeLa cells. Recommended concentration: 10µg/ml.

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

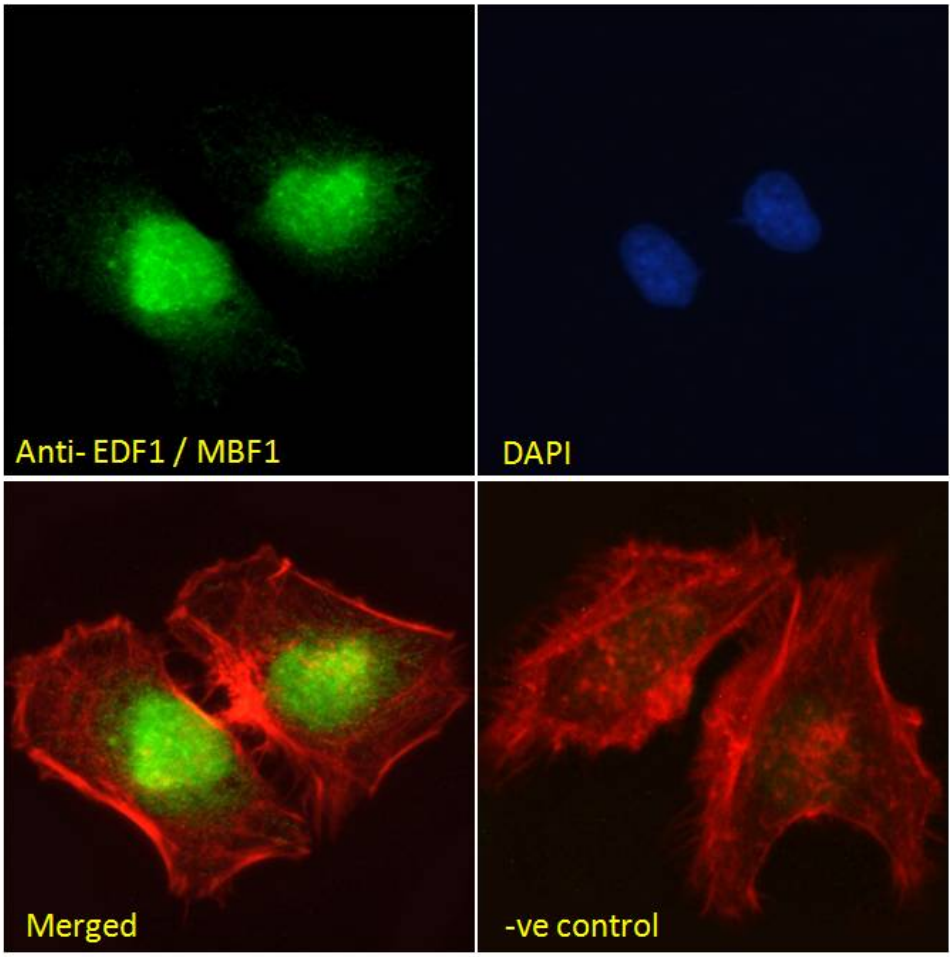
Species Reactivity

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

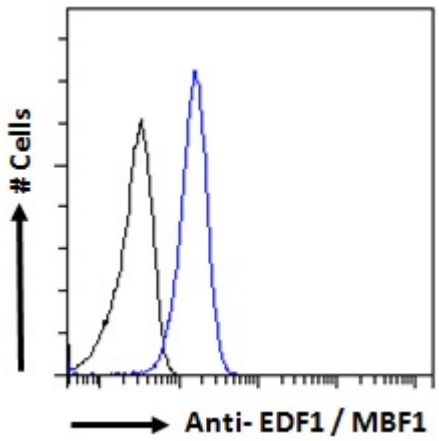
EB06304 (0.5µg/ml) staining of HEK293 (A), HeLa (B) and (1ug/ml) NIH3T3 (C) Nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



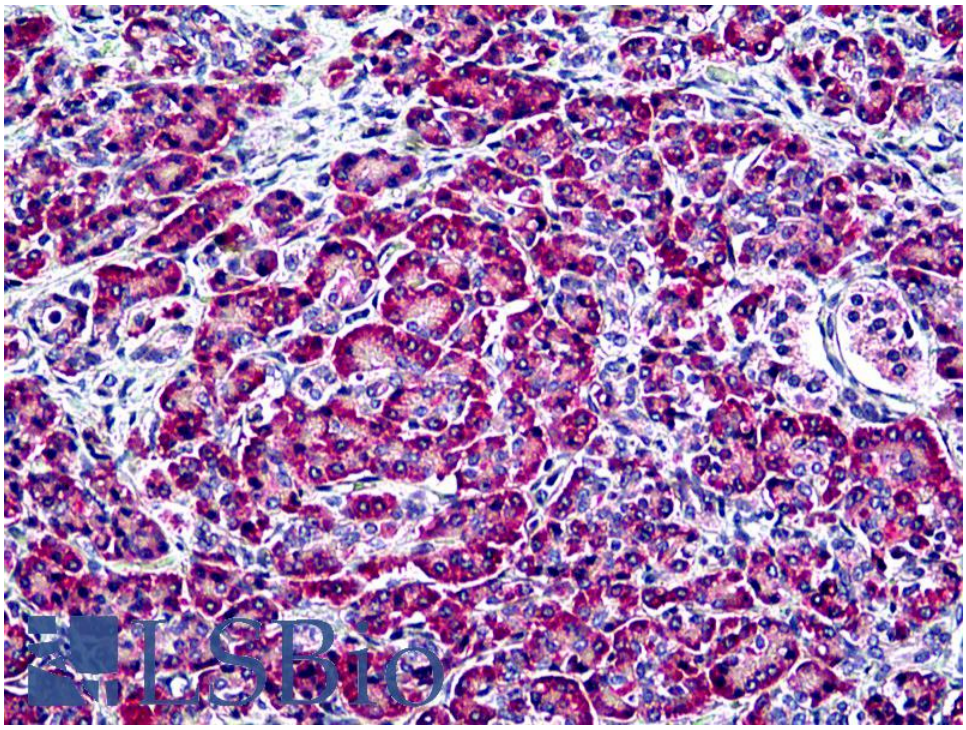
EB06304 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



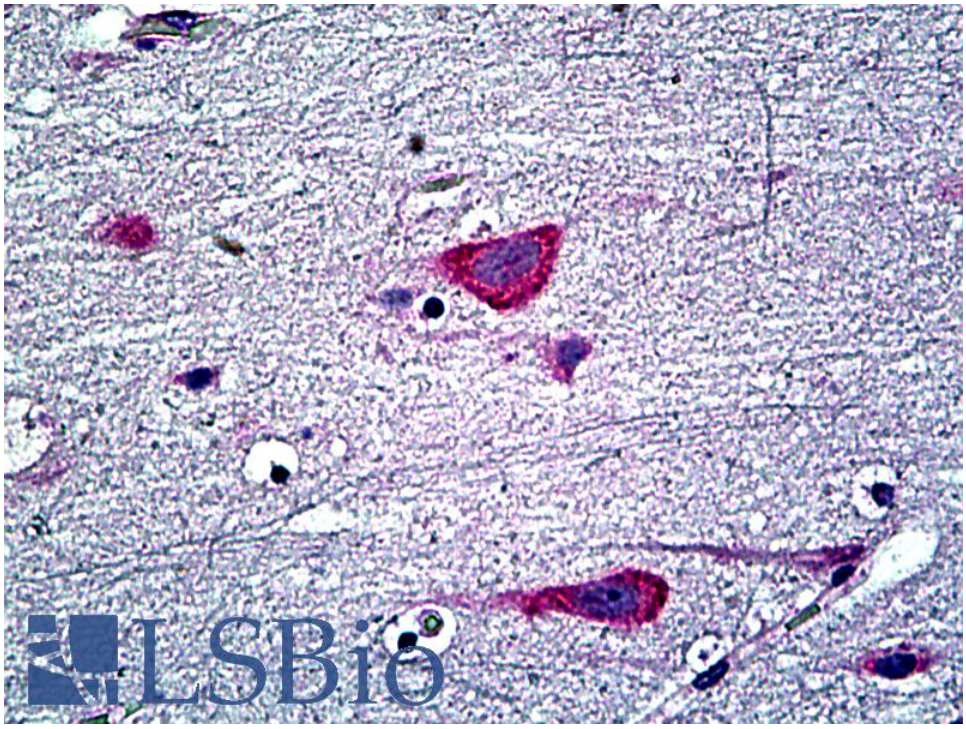
EB06304 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06304 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.



EB06304 (3.75µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



EB06304 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.