

## UK Office

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

## EB12080 - Goat Anti-ATF6 (aa437-449) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATF6, activating transcription factor 6, ATF6A, cAMP-dependent transcription factor ATF-6 alpha, cyclic AMP-dependent transcription factor ATF-6 alpha

**Official Symbol:** ATF6

**Accession Number(s):** NP\_031374.2

**Human GeneID(s):** [22926](#)

**Non-Human GeneID(s):** 304962 (rat)

### Immunogen

Peptide with sequence C-NSYRYDHSVSNDK, from the internal region of the protein sequence according to NP\_031374.2.

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 75-80kDa band observed in lysates of cell lines HeLa and MCF7, and in HeLa and Jurkat nuclear cell lysates (calculated MW of 74.6kDa according to NP\_031374.2). Recommended concentration: 0.3-2µg/ml. Primary incubation 1 hour at room temperature.

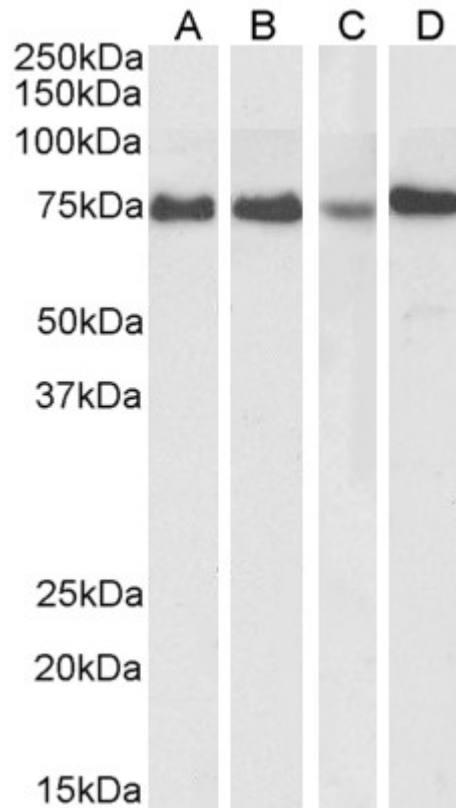
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and HeLa cells. Recommended concentration: 10µg/ml.

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

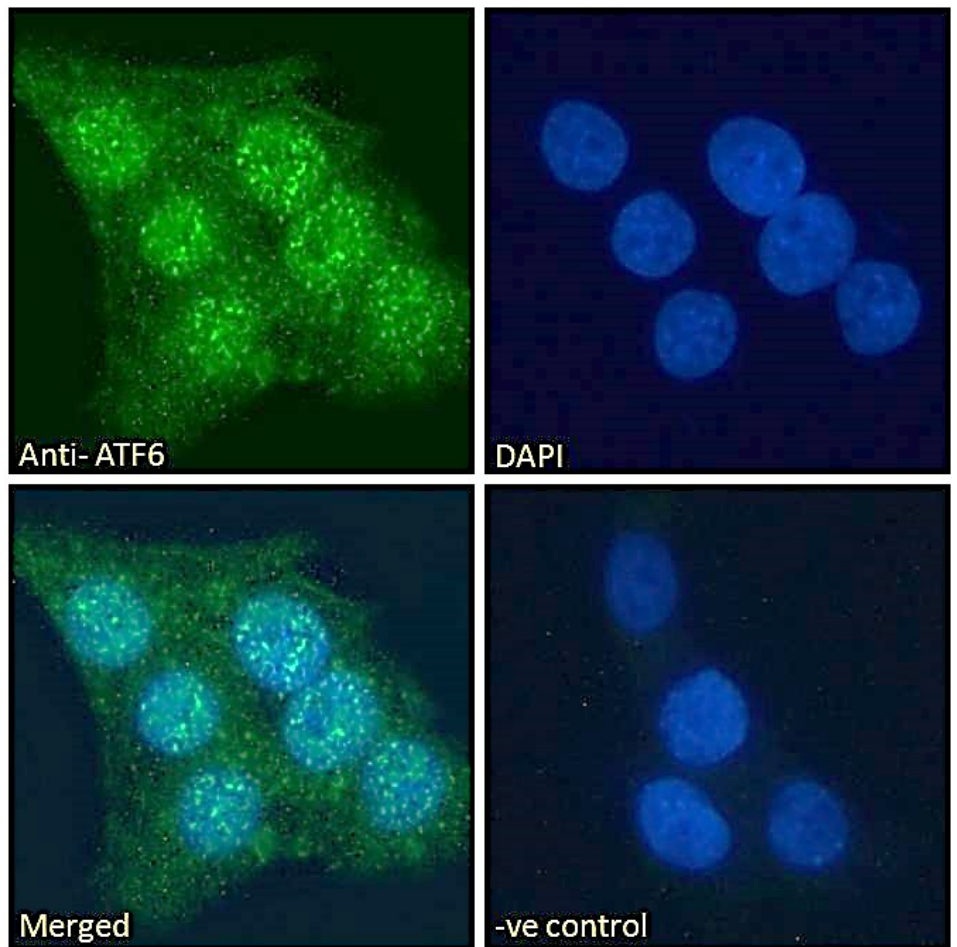
### Species Reactivity

**Tested:** Human

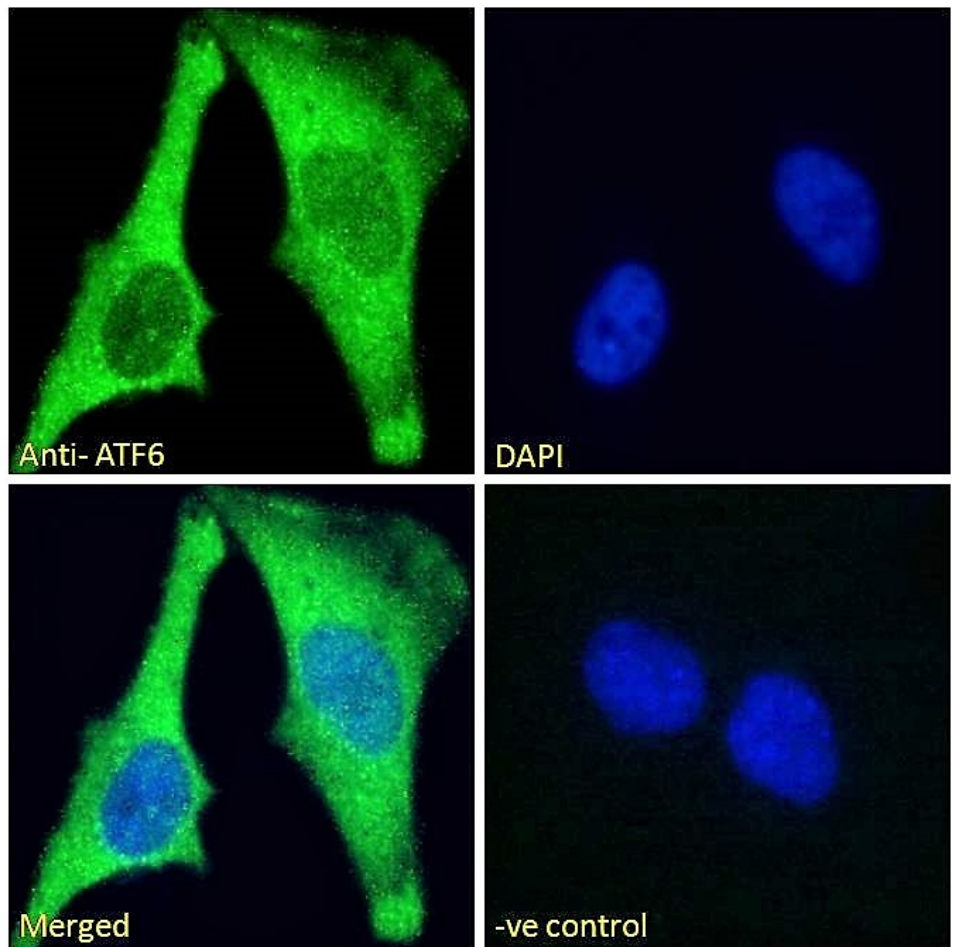
**Expected from sequence similarity:** Human, Rat, Dog, Pig, Cow



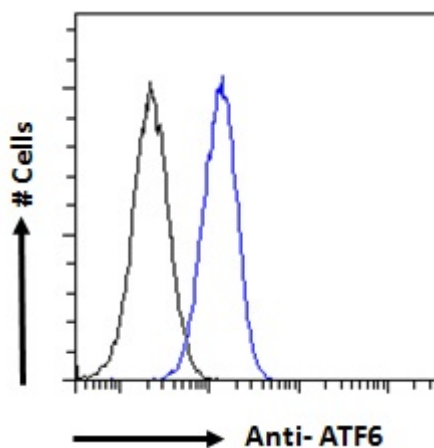
EB012080 (1µg/ml) staining of HeLa (A) and MCF7 (B) cell lysate, and HeLa (C) and Jurkat (D) nuclear cell lysate(35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12080 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 nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12080 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12080 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.