

## UK Office

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

## EB05247-T - Goat Anti-ATF4 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** ATF4, activating transcription factor 4 (tax-responsive enhancer element B67), CREB2, TXREB, CREB-2, TAXREB67, OTTHUMP00000199130, activating transcription factor 4, cAMP response element-binding protein 2

**Official Symbol:** ATF4

**Accession Number(s):** NP\_001666.2; NP\_877962.1

**Human GeneID(s):** [468](#)

**Non-Human GeneID(s):** 11911 (mouse), 79255 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001666.2; NP\_877962.1).

### Immunogen

Peptide with sequence C-EEVRKARGKKRVP, from the C Terminus of the protein sequence according to NP\_001666.2; NP\_877962.1.

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 1:128000.

**Western blot:** Approx 35-37kDa band observed in Mouse Heart lysates (calculated MW of 38.3kDa according to Mouse NP\_001274109.1; NP\_033846.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Pig

EB05247 (1µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.