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

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05247 - Goat Anti-ATF4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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

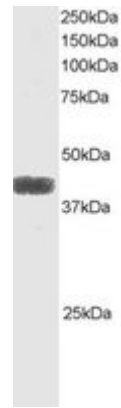
**Peptide ELISA:** antibody detection limit dilution 1:1000.

**Western blot:** Approx 40kDa band seen in Raji cell lysate. Recommended for use at 1-3 µg/ml.

### Species Reactivity

**Tested:** Human

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



EB05247 staining (1µg/ml) of Raji lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour.  
Detected by western blot using chemiluminescence.