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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 1:64000.

Western blot: Approx 37kDa band observed in lysate of K562 cell lines (calculated MW of 38.6kDa according to NP_001666.2 and of NP_877962.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse, Rat and Pig for this particular batch.

Species Reactivity

Tested: Human

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

EB05247 (0.3µg/ml) staining of lysate of cell line K562 (35µg protein in RIPA buffer). Detected by chemiluminescence.