

## Goat anti-ATF4 Antibody

<b>Item Number</b>	dAP-0044
<b>Target Molecule</b>	Principle Name: ATF4; Official Symbol: ATF4; All Names and Symbols: ATF4; activating transcription factor 4 (tax-responsive enhancer element B67); CREB2; TXREB; CREB-2; TAXREB67; OT-THUMP00000199130; activating transcription factor 4; cAMP response element-binding protein 2; Accession Number (s): NP_001666.2; NP_877962.1; Human Gene ID(s): 468; Non-Human GeneID(s): 11911 (mouse) 79255 (rat)
<b>Immunogen</b>	EEVRKARGKKRVP, is from C Terminus This antibody is expected to recognize both reported isoforms (NP_001666.2; NP_877962.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	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 Mo
<b>IHC</b>	
<b>Reference</b>	Reference(s): Tsujimoto A, Nyunoya H, Morita T, Sato T, Shimotohno K. Isolation of cDNAs for DNA-binding proteins which specifically bind to a tax-responsive enhancer element in the long terminal repeat of human T-cell leukemia virus type I. J Virol 1991 Mar;65(3):1420-6.PMID: 1847461->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**