

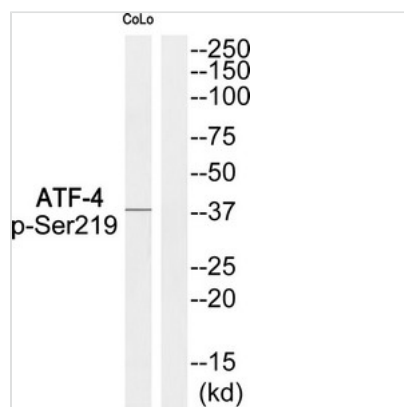


Phospho-ATF4 (Ser219) Antibody

Product Code	CSB-PA172388
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P18848
Immunogen	Peptide sequence around phosphorylation site of Serine 219 (N-D-S(p)-G-T) derived from Human ATF-4.
Raised In	Rabbit
Species Reactivity	Human, Mouse
Specificity	The Antibody detects endogenous levels of ATF-4 only when phosphorylated at Serine 219.
Tested Applications	ELISA, WB; WB: 1:500-1:1000
Relevance	ATF4 encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication. Sato T., Shimotohno K. J. Virol. 65:1420-1426(1991) Leiden J.M. Proc. Natl. Acad. Sci. U.S.A. 89:4820-4824(1992) Bridgeman A.M. Wright H. Nature 402:489-495(1999)
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Clonality	Polyclonal
Alias	ATF4; CREB-2; DNA-binding protein TAXREB67; TXREB;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	ATF4



Image



Western blot analysis of extracts from COLO cells using ATF-4 (Phospho-Ser219) Antibody. The lane on the right is treated with the antigen-specific peptide.

Product Modify

Phospho-Ser219