

ATF-2 (Phospho-Thr69) Antibody

Catalog No: #14065

Package Size: #14065-1 50ul #14065-2 100ul

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Description

Product Name	ATF-2 (Phospho-Thr69) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;IHC;IF;IP;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-ATF-2 (T69) Polyclonal Antibody detects endogenous levels of ATF-2 protein only when phosphorylated at T69.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human ATF2 around the phosphorylation site of Thr69 or 51. AA range:36-85
Conjugates	Unconjugated
Other Names	ATF2; CREB2; CREBP1; Cyclic AMP-dependent transcription factor ATF-2; cAMP-dependent transcription factor ATF-2; Activating transcription factor 2; Cyclic AMP-responsive element-binding protein 2; CREB-2; cAMP-responsive element-binding pro
Accession No.	Swiss Prot:P15336GeneID:1386
Calculated MW	55 kDa
SDS-PAGE MW	65,75 kDa
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:500-1:2000; IHC 1:100-1:300; IP 2-5 ug/mg lysate; ELISA 1:20000; IF 1:50-200

Background

activating transcription factor 2(ATF2) Homo sapiens This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene [provided by RefSeq, Jan 2014]

Published Papers

Zhu Rongxuan, Ye Xianglai, Lu Xiaotong, Xiao Liwei, Yuan Ming, Zhao Hong, Guo Dong, Meng Ying, Han Hongkuan, Luo Shudi, Wu Qingang, Jiang

Xiaoming, Xu Jun, Tang Zhonghui, Tao Yizhi Jane, Lu Zhimin et al., ACSS2 acts as a lactyl-CoA synthetase and couples KAT2A to function as a lactyltransferase for histone lactylation and tumor immune evasion, Cell metabolism, (2025)

[PMID:39561764](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.