BT LAB
Bioassay Technology Laboratory

Optimize Your Research

Phospho-ATF-2 (S112) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00023
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATF2 around the phosphorylation site of Ser112 or 94. AA range:79-128
Mol wt	52277
Species reactivity	Human, mouse, rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IP, ELISA
Concentration	1 mg/ml
Full name	Phospho-ATF-2 (S112) Antibody
Synonyms	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; CRE

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ATF2 encodes a transcription factor (activating transcription factor 2) that is a member of the leucine zipper family of DNA binding proteins. Activating transcription factor 2 has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Activating transcription factor 2 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. Activating transcription factor 2 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 ATF2.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

IP: 2 - 5 ug: mg lysate

ELISA: 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com