

ATF-2 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP00695

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human ATF2. AA range:456-505

Mol wt 52277

Species reactivity Human, Rat

Clonality Polyclonal

Recommended application IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name ATF-2 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

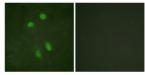
ATF2 encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein (activating transcription factor 2) has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions This protein binds to the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

Recommended Dilution

IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunofluorescence analysis of HeLa cells, using ATF2 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year