

## Anti-ATF2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

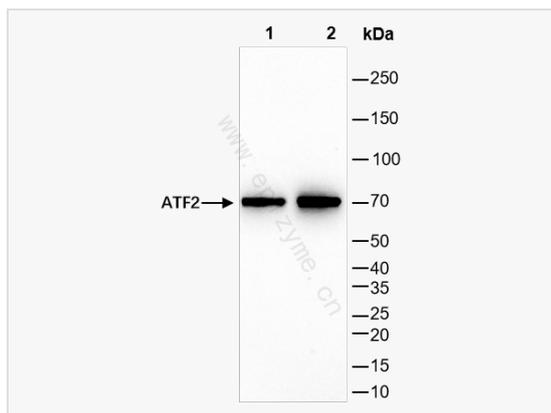
Catalog # R010620

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	43M42M50
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ATF2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATF2 Rabbit mAb [43M42M50] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Activating transcription factor 2, Activating transcription factor 2 splice variant ATF2 var2, ATF 2, Atf-2, Atf2, ATF2 protein, ATF2_HUMAN, cAMP Response Element Binding Protein 2, cAMP response element binding protein CRE BP1, cAMP response element-binding protein CRE-BP1, cAMP responsive element binding protein 2, formerly, cAMP-dependent transcription factor ATF-2, cAMP-responsive element-binding protein 2, CRE BP1, CRE-BP, CREB 2, CREB-2, CREB2, CREBP1, Cyclic AMP dependent transcription factor ATF 2, Cyclic AMP-dependent transcription factor ATF-2, Cyclic AMP-responsive element-binding protein 2, D130078H02Rik, D18875, HB 16, HB16, Histone acetyltransferase ATF2, MGC105211, MGC105222, MGC111558, MGC142504, mXBP, MXBP protein, Tg(Gzma-Klra1)7Wum, TREB 7, TREB7.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 70 kDa
Uniprot ID	P15336
Gene ID	1386
Background	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]



Western Blot - Anti-ATF2 Rabbit mAb [43M42M50]

All lanes: R010620 at 1:2,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

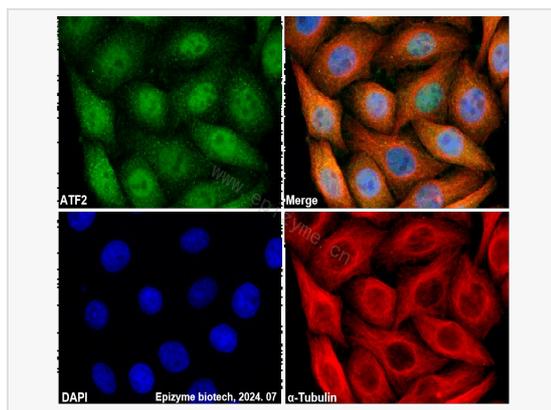
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 69 kDa

Observed band size: 78 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-ATF2 Rabbit mAb [43M42M50]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010620 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).