

Datasheet: VMA00671

BATCH NUMBER 170504

Description:	MOUSE ANTI ATF2
Specificity:	ATF2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

Immunogen Partial recombinant of human ATF2

External Database Links

UniProt:

[P15336](#) [Related reagents](#)

Entrez Gene:

[1386](#) ATF2 [Related reagents](#)

Synonyms CREB2, CREBP1

Specificity

Mouse anti Human ATF2 antibody recognizes the cyclic AMP-dependent transcription factor ATF2, also known as activating transcription factor 2 splice variant ATF2-var2, cAMP response element-binding protein CRE-BP1, cAMP responsive element binding protein 2, cAMP-dependent transcription factor ATF-2 or histone acetyltransferase ATF2.

ATF2 encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. 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. Several alternatively spliced transcript variants have been found for ATF2 (provided by RefSeq, Jan 2012).

Mouse anti Human ATF2 antibody detects bands of 65-75 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Mouse anti ATF2 antibody detects bands of approximately 86-75 kDa in A549 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00671>
Antibody (10041)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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