

Datasheet: VPA00027

BATCH NUMBER 090714

Description:	GOAT ANTI ATF2
Specificity:	ATF2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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

Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN₃)

0.5% Bovine Serum Albumin

Immunogen Peptide sequence C-IVMAPSSQSQPSGS from the C-terminal region of ATF2

External Database Links

UniProt:

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

Entrez Gene:

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

Synonyms CREB2, CREBP1

Specificity **Goat anti Human ATF2 antibody** recognizes human Cyclic AMP-dependent transcription factor ATF-2 (ATF2), also known as Activating transcription factor 2, HB16, CREB-2, Histone acetyltransferase ATF2 or cAMP response element-binding protein CRE-BP1. ATF2 is a 505 amino acid member of the ATF family of transcription factors containing single [bZIP](#) and [C2H2-type zinc finger](#) domains. Multiple isoforms of ATF2 are generated by alternative splicing, Goat anti Human ATF2 antibody was directed against the carboxy-terminal region (aa 492-505) and sequence suggests that the antibody may bind isoforms 1, 2, 4, 5, 6 and 8 with appropriate changes in recognized molecular weight.

Goat anti Human ATF2 antibody binds to epitopes within the C-terminal (CT) region of human ATF2 which binds to the cAMP responsive element (CRE), stimulating CRE-dependent transcription ([Shuman et al. 19997](#)). ATF2 also functions as a histone acetyltransferase (HAT), specifically acetylating histones 2B and 4 *in vitro* ([Kawasaki et al. 2000](#)).

Goat anti Human ATF2 antibody recognizes human ATF2 as bands of ~65 and 75kDa by western blotting under reducing conditions.

Western Blotting Anti ATF2 antibody detects bands of approximately 65 and 75 kDa in Jurkat 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 #10058 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00027>
Antibody (10058)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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

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