

## Datasheet: VPA00027

<b>Description:</b>	GOAT ANTI ATF2
<b>Specificity:</b>	ATF2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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 (NaN<sub>3</sub>)  
 0.5% Bovine Serum Albumin

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

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**External Database**

**Links**

**UniProt:**

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

**Entrez Gene:**

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

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**Synonyms**

CREB2, CREBP1

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**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.

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**Western Blotting**

Anti ATF2 antibody detects bands of approximately 65 and 75 kDa in Jurkat cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10058 available at: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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

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