

## 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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5% Bovine Serum Albumin
<b>Immunogen</b>	Peptide sequence C-IVMAPSSQSQPSGS from the C-terminal region of ATF2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P15336</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1386</a>   ATF2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CREB2, CREBP1

<b>Specificity</b>	<p><b>Goat anti Human ATF2 antibody</b> 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 <a href="#">bZIP</a> and <a href="#">C2H2-type zinc finger</a> 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.</p> <p>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 (<a href="#">Shuman et al. 19997</a>). ATF2 also functions as a histone acetyltransferase (HAT), specifically acetylating histones 2B and 4 <i>in vitro</i> (<a href="#">Kawasaki et al. 2000</a>).</p> <p>Goat anti Human ATF2 antibody recognizes human ATF2 as bands of ~65 and 75kDa by western blotting under reducing conditions.</p>
<b>Western Blotting</b>	Anti ATF2 antibody detects bands of approximately 65 and 75 kDa in Jurkat cell lysates.
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Shelf Life</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: Antibody (10058): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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