

Datasheet: VPA00027

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

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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
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 ₃) 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 <i>in vitro</i> (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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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Printed on 01 May 2018