

Datasheet: VPA00027KT

Description:	ATF2 ANTIBODY WITH CONTROL LYSATE
Specificity:	ATF2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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	<p>Reacts with: Mouse</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	20µl Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	<p>0.02% Sodium Azide (NaN₃)</p> <p>0.5% Bovine Serum Albumin</p>

Immunogen	Peptide sequence C-IVMAPSSQSQPSGS from the C-terminal region of ATF2
External Database Links	<p>UniProt: P15336 Related reagents</p> <p>Entrez Gene: 1386 ATF2 Related reagents</p>
Synonyms	CREB2, CREBP1
Specificity	<p>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.</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 (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).</p> <p>Goat anti Human ATF2 antibody recognizes human ATF2 as bands of ~65 and 75kDa by western blotting under reducing conditions.</p>
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.
Lysate Composition	400µg Jurkat lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>

Guarantee	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 #10561 available at: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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