Datasheet for ABIN3043791

anti-ATF2 antibody (AA 93-450)

6 Images

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Overview

Quantity:	100 µg
Target:	ATF2
Binding Specificity:	AA 93-450
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cyclic AMP-dependent transcription factor ATF-2(ATF2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human ATF2 recombinant protein (Position: E93-E450). Human ATF2 shares 99% amino acid (aa) sequence identity with both mouse and rat ATF2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cyclic AMP-dependent transcription factor ATF-2(ATF2) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: activating transcription factor 2 Protein Name: Cyclic AMP-dependent transcription factor ATF-2

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	ATF2
Alternative Name:	ATF2 (ATF2 Products)
Background:	ATF2, also known as Activating transcription factor 2, is a protein that in humans is encoded by the ATF2 gene. It is mapped to 2q31.1. This gene encodes a transcription factor that is a member of the leucine zipper family of DNA-binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro, thus, it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined. Synonyms: Activating Transcription Factor 2 antibody|Activating transcription factor 2 splice variant ATF2 var2 antibody|ATF 2 antibody|Atf-2 antibody|Atf2 antibody|ATF2 protein antibody|ATF2_HUMAN antibody|cAMP Response Element Binding Protein 2 antibody|cAMP response element binding protein CRE BP1 antibody|cAMP response element-binding protein CRE-BP1 antibody|cAMP responsive element binding protein 2, formerly antibody|cAMP-dependent transcription factor ATF-2 antibody|cAMP-responsive element-binding protein 2 antibody|CRE BP1 antibody|CRE-BP antibody|CREB 2 antibody|CREB-2 antibody|CREB2 antibody|CREBP1 antibody|Cyclic AMP dependent transcription factor ATF 2 antibody|Cyclic AMP-dependent transcription factor ATF-2 antibody|Cyclic AMP-responsive element-binding protein 2 antibody|D130078H02Rik antibody|D18875 antibody|HB 16 antibody|HB16 antibody|Histone acetyltransferase ATF2 antibody|MGC105211 antibody|MGC105222 antibody|MGC111558 antibody|MGC142504 antibody|mXBP antibody|MXBP protein antibody|Tg(Gzma-Klra1)7Wum antibody|TREB 7 antibody|TREB7 antibody
Gene ID:	1386
UniProt:	P15336
Pathways:	MAPK Signaling, RTK Signaling, Thyroid Hormone Synthesis, Activation of Innate immune Response, Chromatin Binding, Myometrial Relaxation and Contraction, Synaptic Membrane, Tube Formation, Toll-Like Receptors Cascades

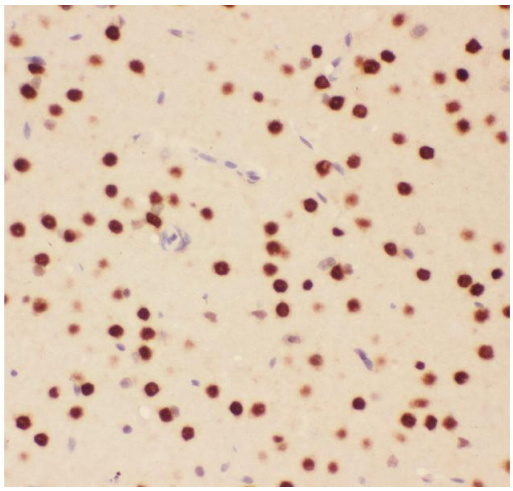
Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for ATF2 is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Rat Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images

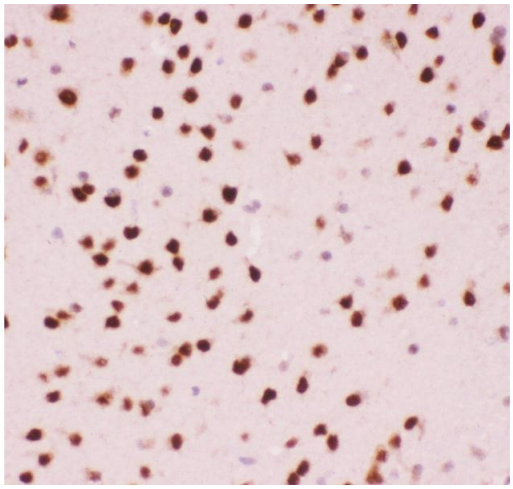


Immunohistochemistry

Image 1. Anti-ATF2 Picoband antibody, IHC(P): Rat Brain Tissue

Western Blotting

Image 2. Anti-ATF2 Picoband antibody, All lanes: Anti ATF2 at 0.5ug/ml WB: Recombinant Human ATF2 Protein 0.5ng Predicted bind size: 49KD Observed bind size: 49KD



Immunohistochemistry

Image 3. Anti-ATF2 Picoband antibody, IHC(P): Mouse Brain Tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3043791.