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# Datasheet for ABIN3029845 anti-ATF2 antibody (AA 93-450)

10 Images



### 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)), Flow Cytometry (FACS)

# Product Details

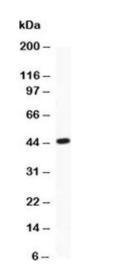
Immunogen:	Human partial recombinant protein (AA 93-450) was used as the immunogen for this ATF2 antibody.
lsotype:	lgG
Purification:	Antigen affinity

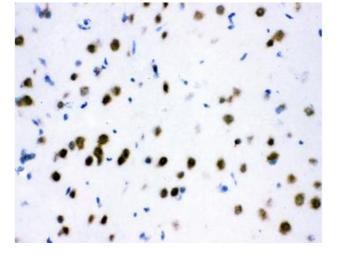
## Target Details

Target:	ATF2
Alternative Name:	ATF2 (ATF2 Products)
Background:	Activating transcription factor 2 is a protein that in humans is encoded by the ATF2 gene. This
	gene encodes a transcription factor that is a member of the leucine zipper family of DNA-

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	binding proteins. It binds to the cAMP-responsive element (CRE), an octameric palindrome.
	ATF2 forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent
	transcription. It 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.
Gene ID:	1386
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:	The stated application concentrations are suggested starting points. Titration of the ATF2
	antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
	Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL,FACS: 1-3 µ
	g/10^6 cells
Restrictions:	For Research Use only
Handling	
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the ATF2 antibody can be stored for up to one month at 4°C. For long-term



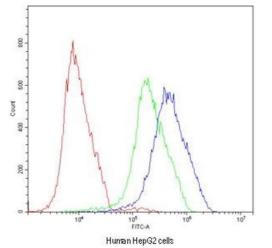




**Image 1.** Western blot testing of ATF2 antibody and recombinant human protein (0.5ng)

#### Immunohistochemistry

**Image 2.** IHC testing of frozen rat brain tissue with ATF2 antibody at 1ug/ml.



#### **Flow Cytometry**

**Image 3.** Flow cytometry testing of human HepG2 cells with ATF2 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)

Please check the product details page for more images. Overall 10 images are available for ABIN3029845.

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