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# Datasheet for ABIN4996973 anti-ATF6 antibody (AA 431-530)

2 Images



### Overview

Quantity:	100 μL
Target:	ATF6
	ATFO
Binding Specificity:	AA 431-530
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)),
	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC),
	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry
	(Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ATF6
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	

Target:

### ATF6

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Target Details	
Alternative Name:	ATF6 (ATF6 Products)
Background:	Synonyms: Cyclic AMP-dependent transcription factor ATF-6 alpha, ATF6-alpha, ATF6
	Background: Transmembrane glycoprotein of the endoplasmic reticulum that functions as a
	transcription activator and initiates the unfolded protein response (UPR) during endoplasmic
	reticulum stress. Cleaved upon ER stress, the N-terminal processed cyclic AMP-dependent
	transcription factor ATF-6 alpha translocates to the nucleus where it activates transcription of
	genes involved in the UPR. Binds DNA on the 5'-CCAC[GA]-3'half of the ER stress response
	element (ERSE) (5'-CCAAT-N(9)-CCAC[GA]-3') and of ERSE II (5'-ATTGG-N-CCACG-3'). Binding to
	ERSE requires binding of NF-Y to ERSE. Could also be involved in activation of transcription by
	the serum response factor. May play a role in foveal development and cone function in the
	retina.
Gene ID:	22926
UniProt:	P18850
Pathways:	ER-Nucleus Signaling, Unfolded Protein Response

# Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

# Handling

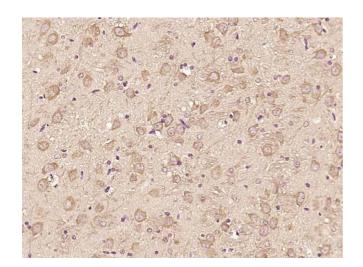
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

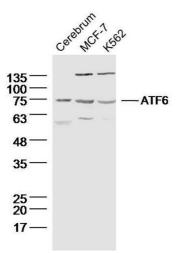
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## Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Images





#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat brain; Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min; Antibody incubation with ATF6 Polyclonal Antibody, Unconjugated (bs-23094R) at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.

#### Western Blotting

**Image 2.** Lane 1: Rat cerebrum lysates; Lane 2: MCF-7 lysates; Lane 3: K562 lysates; probed with ATF6 Polyclonal Antibody, unconjugated (bs-23094R) at 1:300 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.

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