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# Datasheet for ABIN2451923 anti-ATF6 antibody (N-Term)

3 Images

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#### Overview

Quantity:	100 µg
Target:	ATF6
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATF6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant ATF6alpha (amino-terminal fragment of ATF6alpha fused to GST)
Clone:	37-1
Isotype:	IgG1 kappa
Specificity:	Reactive to human and mouse ATF6alpha. However, clone 1-7 antibody is recommended for human cells.
Characteristics:	The antibody was produced from hybridoma cultured in serum-free medium and purified under mild conditions by propriety chromatography processes.
Purification:	Purified
Sterility:	Sterile filtered

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## Target Details

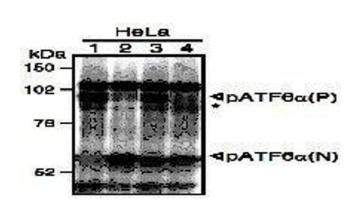
Target:	ATF6
Alternative Name:	ATF6 alpha (ATF6 Products)
Background:	ATF6 (activating transcription factor 6) is an endoplasmic reticulum (ER) membrane-bound
	transcription factor activated in response to ER stress. When unfolded proteins accumulate in
	the ER, ATF6 is cleaved by regulated intramembrane proteolysis. The resulting amino-termina
	fragment translocates to the nucleus and activates transcription by binding to ER stress-
	response elements present in the promoter regions of ER stress-inducible genes including
	those encoding ER chaperones and components of ER-associated degradation. The
	mammalian ATF6 family consists of two closely related homologs, ATF6alpha and ATF6beta.
	ATF6alpha but not ATF6beta plays a pivotal role in transcriptional control. The monoclonal
	antibody was characterized in the laboratory of Professor Kazutoshi Mori of Kyoto University.
UniProt:	P18850
Pathways:	ER-Nucleus Signaling, Unfolded Protein Response
Application Details	
Application Notes:	1. Western blotting
	2. Immunoprecipitation (IP) (less efficient than clone1-7)
	This antibody does not work for immunofluorescence analyses.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 50 % Glycerol
Preservative:	Azide free
Storage:	-20 °C

## Publications

Product cited in:Obuse, Iwasaki, Kiyomitsu, Goshima, Toyoda, Yanagida: "A conserved Mis12 centromere<br/>complex is linked to heterochromatic HP1 and outer kinetochore protein Zwint-1." in: Nature<br/>cell biology, Vol. 6, Issue 11, pp. 1135-41, (2004) (PubMed).

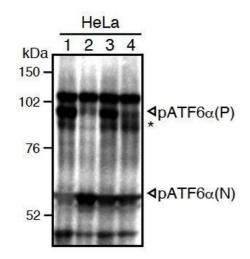
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#### Images



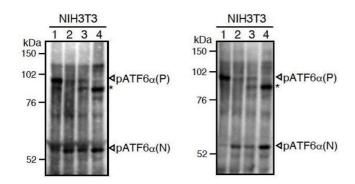
## Western Blotting

Image 1.



## Western Blotting

Image 2.



#### Western Blotting

Image 3.

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