

Datasheet for ABIN2451924  
**anti-ATF6 antibody (N-Term)**

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## Overview

Quantity:	50 µg
Target:	ATF6
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATF6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant ATF6alpha (His-tagged amino-terminal fragment of ATF6alpha)
Clone:	1-7
Isotype:	IgG2a kappa
Specificity:	Specific to human ATF6alpha, no cross reactivity with mouse ATF6alpha
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

## Target Details

Target:	ATF6
Alternative Name:	ATF6 alpha ( <a href="#">ATF6 Products</a> )
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-terminal 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:	<a href="#">P18850</a>
Pathways:	<a href="#">ER-Nucleus Signaling</a> , <a href="#">Unfolded Protein Response</a>

## Application Details

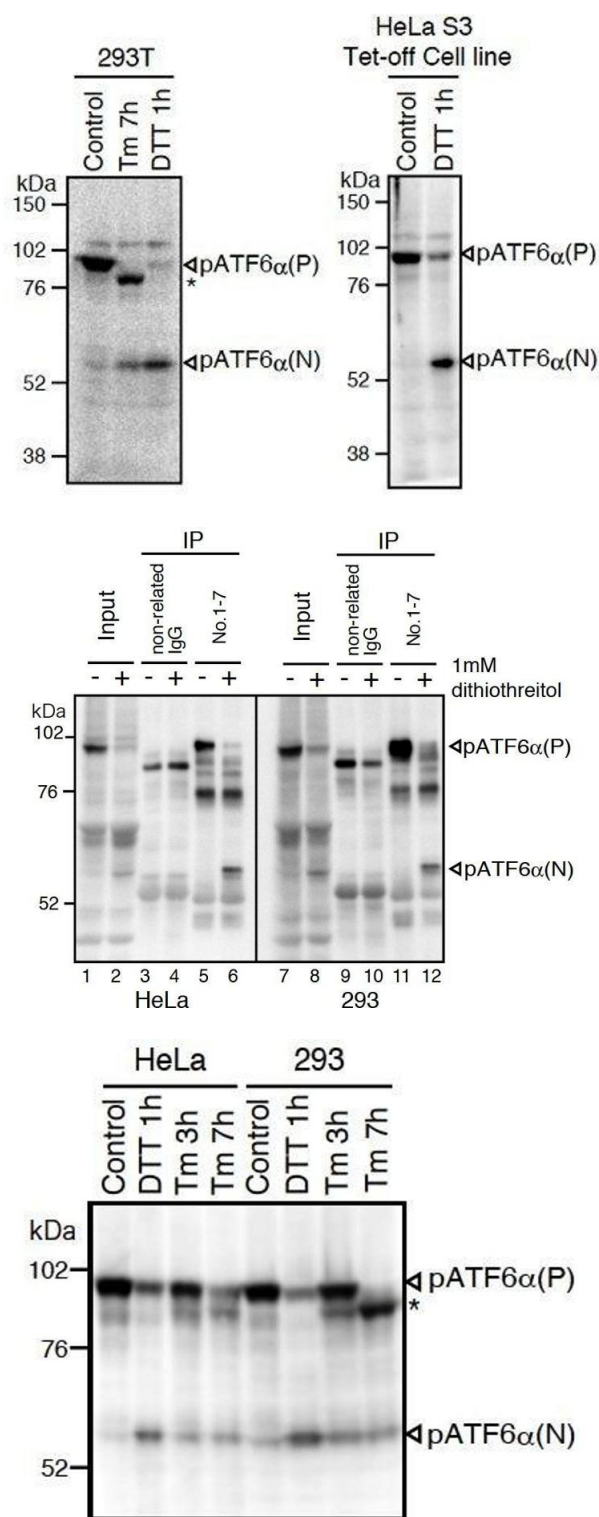
Application Notes:	1. Western blotting 2. Immunoprecipitation (IP) This antibody does not work for immunofluorescence analyses.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 50 % Glycerol
Preservative:	Azide free
Storage:	-20 °C

## Publications

Product cited in:	Dabrowski, Olszewski, Piatek, Kur: "Novel thermostable ssDNA-binding proteins from <i>Thermus thermophilus</i> and <i>T. aquaticus</i> -expression and purification." in: <b>Protein expression and purification</b> , Vol. 26, Issue 1, pp. 131-8, (2002) ( <a href="#">PubMed</a> ).
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Western Blotting

Image 1.

Western Blotting

Image 2.

Western Blotting

Image 3.