

ATF4 Antibody

Catalog No: #32007

Package Size: #32007-1 50ul #32007-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

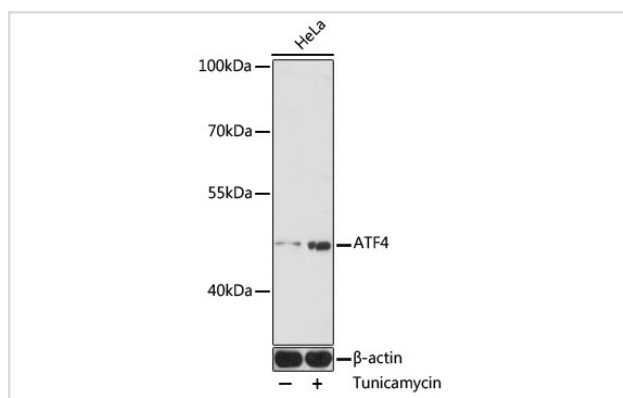
Description

Product Name	ATF4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total ATF4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human ATF4 (NP_001666.2).
Target Name	ATF4
Other Names	ATF4;CREB-2;CREB2;TAXREB67;TXREB
Accession No.	Uniprot:P18848GenelD:468
SDS-PAGE MW	50kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of HeLa cells, using ATF4 antibody.

Background

This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element

binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.

Published Papers

el at., Salvianolic acid B protects human endothelial cells from oxidative stress damage: a possible protective role of glucose-regulated protein 78 induction. In Cardiovasc Res on 2009 Jan 1 by Hong-Li Wu, Yu-Hua Li, et al..PMID: 18815184, , (2009)

[PMID:18815184](#)

el at., Suppressing endoplasmic reticulum stress-related autophagy attenuates retinal light injury. In Aging (Albany NY) on 2020 Aug 28 by Jing-Yao Song, Bin Fan,et al..PMID: 32858529, , (2020)

[PMID:32858529](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.