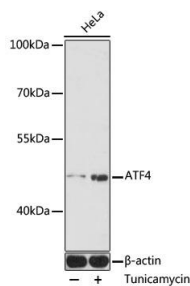


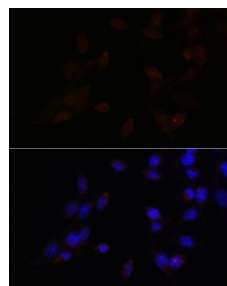
Cat. No:	AB-82156
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-351 of human ATF4
Reactivity:	Hu
Applications:	Western Blot: 1:500 - 1:2000 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	50kDa
Purification:	Aff. Pur.
Synonyms:	ATF4;CREB-2;CREB2;TAXREB67;TXREB

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.

Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of HeLa cells, using ATF4 antibody at 1:1000 dilution. HeLa cells were treated by tunicamycin (2 µg/mL) for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.



Immunofluorescence analysis of HeLa cells using ATF4 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 3min.

References

References for ATF4 Rabbit pAb

Product: ATF4 Rabbit pAb

Journal: Biochimica et biophysica acta

Application: WB

IF:

Species: Mus musculus

PMID: 30017912

Title: Selenoprotein S silencing triggers mouse hepatoma cells apoptosis and necrosis involving in intracellular calcium imbalance and ROS-mPTP-ATP.

References for ATF4 Rabbit pAb

Product: ATF4 Rabbit pAb

Journal: Cellular and molecular neurobiology

Application: WB

IF: 3.89

Species: Rattus norvegicus

PMID: 30607811

Title: MALAT1 Up-Regulator Polydatin Protects Brain Microvascular Integrity and Ameliorates Stroke Through C/EBP β /MALAT1/CREB/PGC-1 α /PPAR γ Pathway.

References for ATF4 Rabbit pAb

Product: ATF4 Rabbit pAb

Journal: ACS Chemical Neuroscience

Application: WB

IF: 3.86

Species: Rattus norvegicus

PMID: 32186847

Title: Astrocyte-Derived Lipocalin-2 Is Involved in Mitochondrion-Related Neuronal Apoptosis Induced by Methamphetamine

References for ATF4 Rabbit pAb

Product: ATF4 Rabbit pAb

Journal: Oxidative Medicine and Cellular Longevity

Application: WB

IF: 4.86

Species: Homo sapiens

PMID: 31687081

Title: Bovine Herpesvirus 1 Productive Infection Led to Inactivation of Nrf2 Signaling through Diverse

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