

## ATF2 antibody

Catalog No: #38387

Package Size: #38387-1 50ul #38387-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

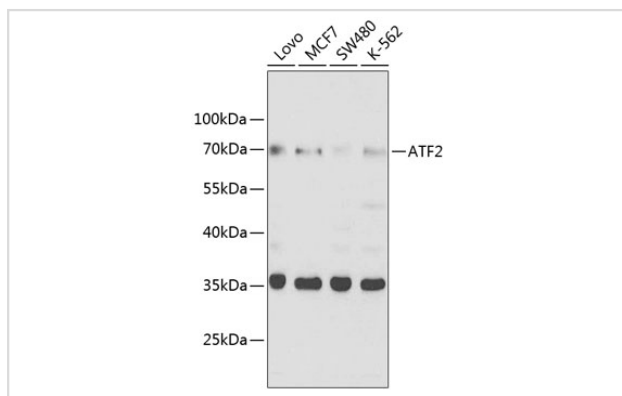
## Description

Product Name	ATF2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ATF2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human ATF2 (NP_001871.2).
Target Name	ATF2
Other Names	CRE-BP1;CREB-2;CREB2;HB16;TREB7;ATF2
Accession No.	Uniprot:P15336GenelD:1386
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GenelD	1386
SDS-PAGE MW	70kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

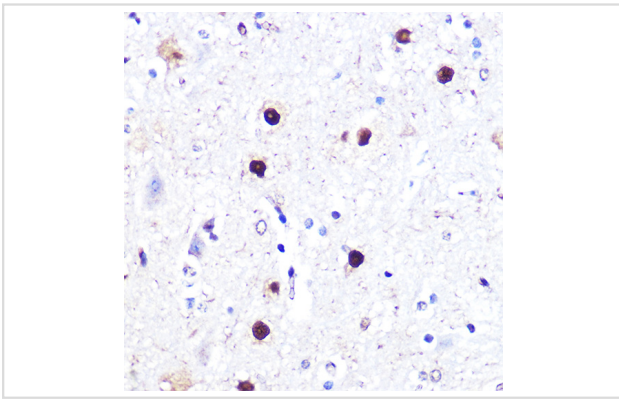
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

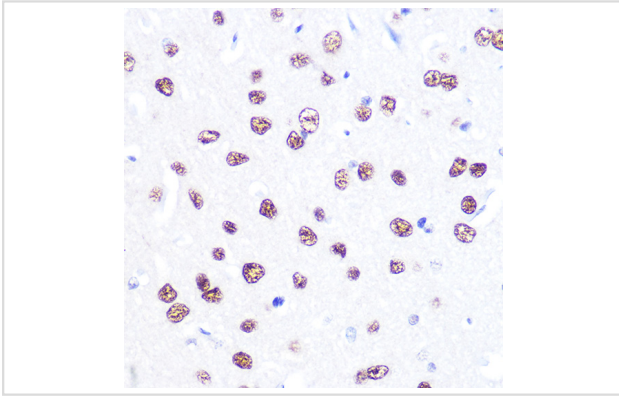
## Images



Western blot analysis of extracts of various cell lines, using ATF2 antibody.



Immunohistochemistry of paraffin-embedded mouse spinal cord using ATF2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded rat brain using ATF2 Rabbit pAb.

## Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 *in vitro*; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene.

Note: This product is for *in vitro* research use only