Product Name: ATF2 Mouse Monoclonal Antibody
Catalog #: AMM80947
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	55kDa

Antigen Information

Gene Name	ATF2
Alternative Names	HB16; CREB2; TREB7; CRE-BP1; MGC111558; ATF2
Gene ID	1386.0
SwissProt ID	P15336
Immunogen	Purified recombinant fragment of human ATF2 expressed in E. Coli.

Background

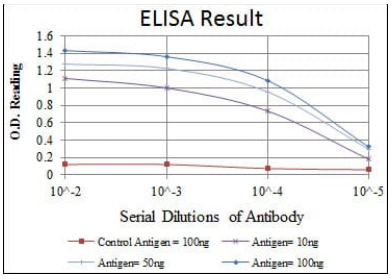
This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein 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. Additional transcript variants have been identified but their biological validity has not been determined.Tissue specificity: Abundant expression seen in the brain.

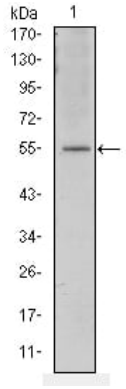
Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,MAPK signaling pathway

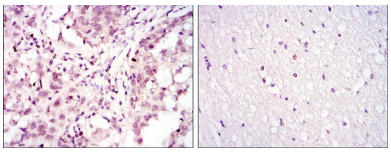
Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using ATF2 mouse mAb against NIH/3T3 cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and brain tissues (right) using ATF2 mouse mAb with DAB staining.