Product Name: **CREB1 Mouse Monoclonal Antibody**
Catalog #: **AMM80980**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human,Mouse,Rat,Monkey
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	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	43kDa

Antigen Information

Gene Name	CREB1
Alternative Names	CREB; MGC9284; CREB1
Gene ID	1385.0
SwissProt ID	P16220
Immunogen	Purified recombinant fragment of human CREB1 expressed in E. Coli.

Background

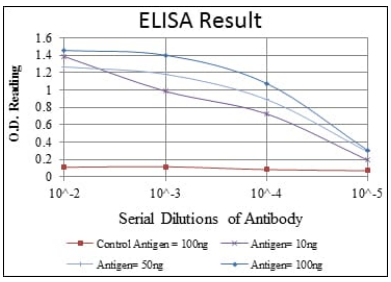
This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate

splicing of this gene results in two transcript variants encoding different isoforms. (provided by RefSeq)

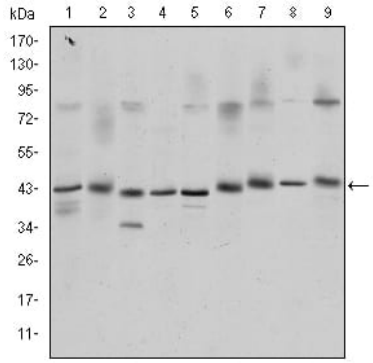
Research Area

PI3K-Akt signaling pathway

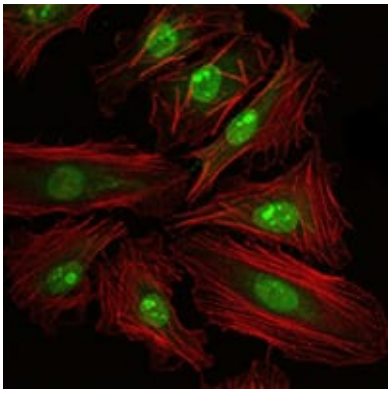
Image Data



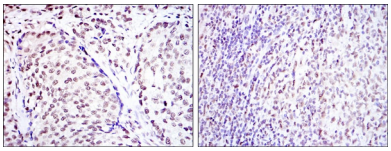
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using CREB1 mouse mAb against K562 (1), Jurkat (2), L1210 (3), HEK293 (4), A431 (5), Hela (6), Cos7 (7), PC-12 (8), and NIH/3T3 (9) cell lysate.



Immunofluorescence analysis of Hela cells using CREB1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues (left) and submaxillary tumor tissues (right) using CREB1 mouse mAb with DAB staining.