

# CREB1 Rabbit pAb

Catalog No.: A11989 **18 Publications**

## Basic Information

### Observed MW

### Calculated MW

35kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, IP

### Cross-Reactivity

Human, Mouse, Rat

## 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 several transcript variants encoding different isoforms.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

## Immunogen Information

### Gene ID

1385

### Swiss Prot

P16220

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-341 of human CREB1 (NP\_604391.1).

### Synonyms

CREB; CREB-1; CREB1

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

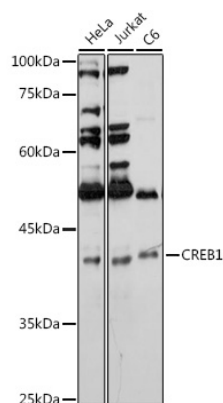
Affinity purification

### Storage

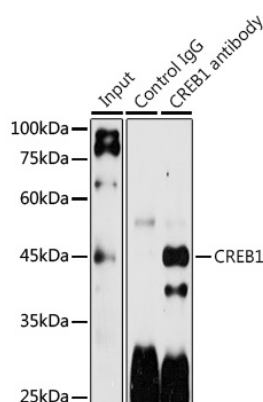
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

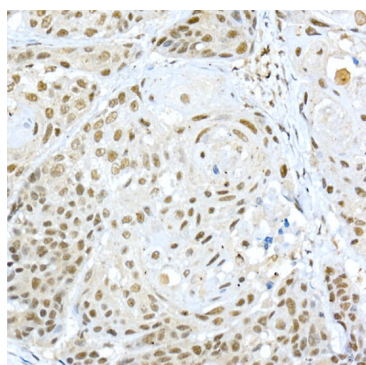
## Validation Data



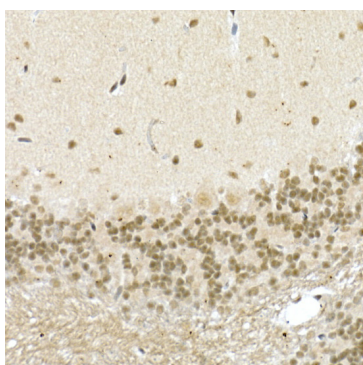
Western blot analysis of various lysates using CREB1 Rabbit pAb (A11989) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 30s.



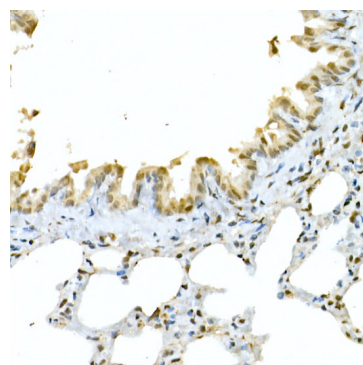
Immunoprecipitation analysis of 300 µg extracts of LO2 cells using 3 µg CREB1 antibody (A11989).  
 Western blot was performed from the immunoprecipitate using CREB1 antibody (A11989) at a dilution of 1:1000.



Immunohistochemistry analysis of CREB1 in paraffin-embedded human esophageal cancer using CREB1 Rabbit pAb (A11989) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



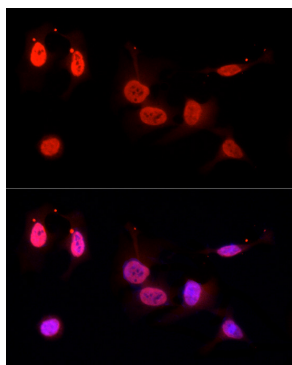
Immunohistochemistry analysis of CREB1 in paraffin-embedded mouse brain using CREB1 Rabbit pAb (A11989) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CREB1 in paraffin-embedded rat lung using CREB1 Rabbit pAb (A11989) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

## Validation Data

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Immunofluorescence analysis of HeLa cells using CREB1 Rabbit pAb(A11989) at a dilution of 1:25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.