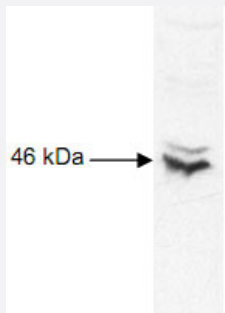


# CREB1 polyclonal antibody

Catalog # PAB9994

Size 100 uL

## Applications



### Western Blot (Cell lysate)

CREB1 polyclonal antibody (Cat # PAB9994) is shown to detect CREB1 present in Raji B cell nuclear extract. Detection occurs using a 1 : 1,000 dilution of antibody followed by a 1 : 5,000 dilution of HRP Goat-a-Rabbit IgG with visualization via ECL. Film exposure was approximately 1'.

## Specification

|                                |                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against synthetic peptide of CREB1.                                                                            |
| <b>Immunogen</b>               | A synthetic peptide (conjugated with KLH) corresponding to N-terminus human CREB1.                                                               |
| <b>Host</b>                    | Rabbit                                                                                                                                           |
| <b>Reactivity</b>              | Human, Mouse, Rat                                                                                                                                |
| <b>Specificity</b>             | Anti-CREB-1 (p43) may react non-specifically with other proteins. A partial cross-reactivity is observed against CREM-1 protein.                 |
| <b>Form</b>                    | Liquid                                                                                                                                           |
| <b>Quality Control Testing</b> | Antibody Reactive Against Synthetic Peptide.                                                                                                     |
| <b>Recommend Usage</b>         | Western Blot (1:500-1:1000)<br>Gel Supershift Assay (0.5-1.0 ul per assay)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>          | In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)                                                              |
| <b>Storage Instruction</b>     | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                           |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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Film exposure was approximately 1'.

- Enzyme-linked Immunoabsorbent Assay

- Gel Supershift Assay

## Gene Info — CREB1

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">1385</a> |
|---------------|----------------------|

|           |       |
|-----------|-------|
| Gene Name | CREB1 |
|-----------|-------|

|            |               |
|------------|---------------|
| Gene Alias | CREB, MGC9284 |
|------------|---------------|

|                  |                                           |
|------------------|-------------------------------------------|
| Gene Description | cAMP responsive element binding protein 1 |
|------------------|-------------------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">123810</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | 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] |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Other Designations | active transcription factor CREB cAMP-response element-binding protein-1 transactivator protein |
|--------------------|-------------------------------------------------------------------------------------------------|

## Publication Reference

- [CREB regulates MHC class II expression in a CIITA-dependent manner.](#)

Moreno CS, Beresford GW, Louis-Plence P, Morris AC, Boss JM.

Immunity 1999 Feb; 10(2):143.

Application: WB-Re, Recombinant protein

## Pathway

- [Antigen processing and presentation](#)
- [Melanogenesis](#)
- [Prostate cancer](#)

## Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Arousal](#)
- [Asthma](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)

- [Dominance](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lymphoma](#)
- [Memory](#)
- [Metabolic Syndrome X](#)
- [Mood Disorders](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pattern Recognition](#)
- [Personality Inventory](#)
- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Weight Gain](#)