

# CREB1 (phospho S133) monoclonal antibody, clone B1C4

Catalog # MAB6423

Size 500 ug

## Specification

|                            |                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against synthetic phosphopeptide of CREB1.                                                                                 |
| <b>Immunogen</b>           | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S133 of human CREB1.                                                   |
| <b>Host</b>                | Mouse                                                                                                                                                       |
| <b>Reactivity</b>          | Human                                                                                                                                                       |
| <b>Specificity</b>         | Reactive to the immunogen, peptide-BSA conjugating and peptide in ELISA.                                                                                    |
| <b>Form</b>                | Lyophilized                                                                                                                                                 |
| <b>Isotype</b>             | IgG2, kappa                                                                                                                                                 |
| <b>Recommend Usage</b>     | ELISA (1 ug/mL)<br>The optimal working dilution should be determined by the end user.                                                                       |
| <b>Storage Buffer</b>      | Lyophilized from 10 mM PBS, pH 7.0                                                                                                                          |
| <b>Storage Instruction</b> | Store at -20°C on dry atmosphere.<br>After reconstitution with deionized water, store at -20°C or lower.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CREB1

Entrez GeneID [1385](#)

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                                                                                                                                                                                                                                                                                                                                                                                       |

## 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](#)