CREB1 (phospho S133) monoclonal antibody, clone B1C4

Catalog # MAB6423 Size 500 ug

Specification

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

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CREB1

Entrez GeneID	1385
Gene Name	CREB1

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Gene Alias	CREB, MGC9284
Gene Description	cAMP responsive element binding protein 1
Omim ID	123810
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA bin ding 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 o f genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene r esults 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

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- 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

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