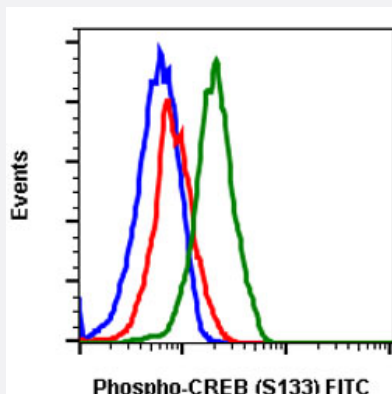


CREB1 (phospho S133) monoclonal antibody, clone 4D11 (FITC)

Catalog # MAB18875 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with CREB1 (phospho S133) monoclonal antibody, clone 4D11 (FITC) (Cat # MAB18875). Secondary antibody only negative control (blue) or untreated (red) or treated with Forskolin (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human CREB1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S133 of human CREB1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

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

Applications

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Gene Info — CREB1

Entrez GeneID[1385](#)**Gene Name**

CREB1

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 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](#)
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- [Weight Gain](#)