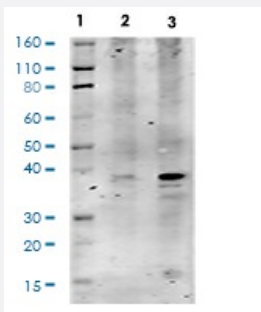


RecomAb™

CREB1 recombinant monoclonal antibody, clone CREBS133-4D11

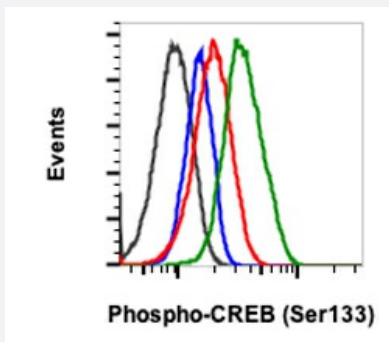
Catalog # RAB02800 Size 200 uL

Applications



Western Blot

Western blot analysis of SK.N.MC cell extract untreated or treated with forskolin and IBMX using 0.1 ug/mL Phospho-CREB (Ser133) antibody CREBS133-4D11.



Flow Cytometry

Flow cytometric analysis of SK-N-MC cells untreated (red) or treated with forskoin (green) using Phospho-CREB (Ser133) (4D11) Rabbit mAb CREBS133-4D11 at 0.01 ug/mL, or concentration-matched Rabbit (G9) mAb IgG Isotype Control for cells untreated (black) or treated with forskoin (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CREB1.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser133 of human phospho CREB
Reactivity	Human
Form	Liquid

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. 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

Western blot analysis of SK.N.MC cell extract untreated or treated with forskolin and IBMX using 0.1 ug/mL Phospho-CREB (Ser133) antibody CREBS133-4D11.

- Flow Cytometry

Flow cytometric analysis of SK-N-MC cells untreated (red) or treated with forskolin (green) using Phospho-CREB (Ser133) (4D11) Rabbit mAb CREBS133-4D11 at 0.01 ug/mL, or concentration-matched Rabbit (G9) mAb IgG Isotype Control for cells untreated (black) or treated with forskoin (blue).

Gene Info — CREB1

Entrez GeneID	1385
Protein Accession#	P16220
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](#)
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- [Inflammation](#)
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