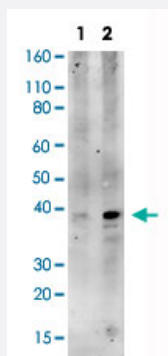


CREB1 (phospho S133) monoclonal antibody, clone 4D11

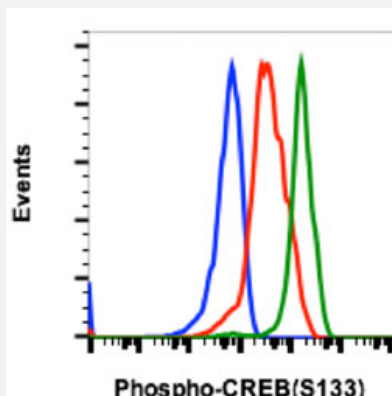
Catalog # MAB18871 Size 200 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of SK-N-MC cell lysate with CREB1 (phospho S133) monoclonal antibody, clone 4D11 (Cat # MAB18871). Lane 1: untreated or Lane 2: treated with forskolin and IBMX.



Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with CREB1 (phospho S133) monoclonal antibody, clone 4D11 (Cat # MAB18871). 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
Purification	Protein A/G purification

Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of SK-N-MC cell lysate with CREB1 (phospho S133) monoclonal antibody, clone 4D11 (Cat # MAB18871). Lane 1: untreated or Lane 2: treated with forskolin and IBMX.

- Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with CREB1 (phospho S133) monoclonal antibody, clone 4D11 (Cat # MAB18871). Secondary antibody only negative control (blue) or untreated (red) or treated with Forskolin (green).

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

Publication Reference

- [Long term administration of loquat leaves and their major component, ursolic acid, attenuated endogenous amyloid- \$\beta\$ burden and memory impairment.](#)

Kensuke Iwasa, Sosuke Yagishita, Nan Yagishita-Kyo, Anzu Yamagishi, Shinji Yamamoto, Kota Yamashina, Chikara Haruta, Masashi Asai, Kei Maruyama, Kuniyoshi Shimizu, Keisuke Yoshikawa.

Scientific Reports 2023 Oct; 13(1):16770.

Application: WB, Mouse, Barin (Hippocampus)

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](#)
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