

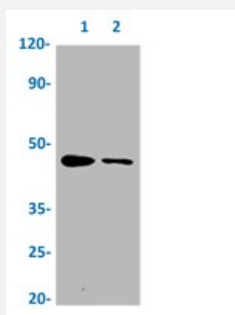
RecomAb™

CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11

Catalog # RAB04290

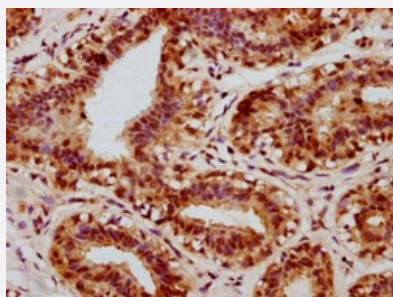
Size 100 uL

Applications



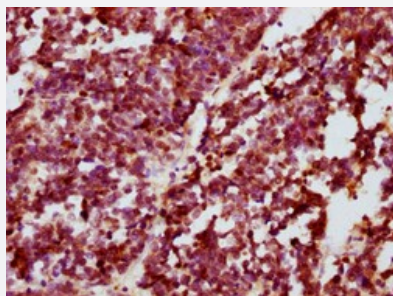
Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate and Lane 2: 293 whole cell lysate with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290).



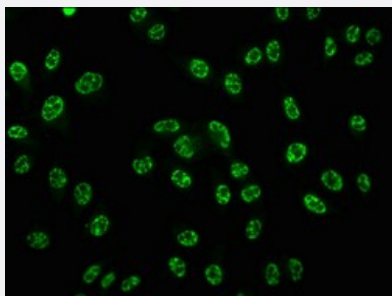
Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290) (diluted at 1:100).



Immunohistochemistry

Immunohistochemical staining of human lung cancer with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290) (diluted at 1:100).



Immunofluorescence

Immunofluorescent staining of Hela cells with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290) (diluted at 1:100). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CREB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S133 of human CREB1.
Theoretical MW (kDa)	Calculated MW: 46 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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 Lane 1:Hela whole cell lysate and Lane 2: 293 whole cell lysate with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290).

- Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290) (diluted at 1:100).

- Immunohistochemistry

Immunohistochemical staining of human lung cancer with CREB1 (phospho S133) recombinant monoclonal antibody, clone 3C11 (Cat # RAB04290) (diluted at 1:100)

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

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](#)
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- [Lymphoma](#)
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