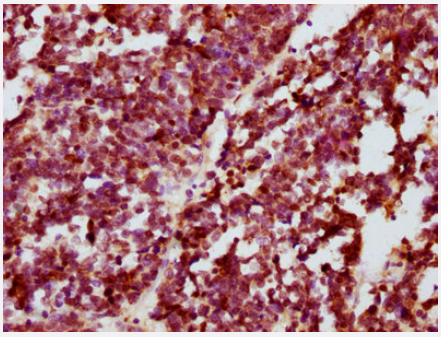
RecomAb™ Sm Size

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

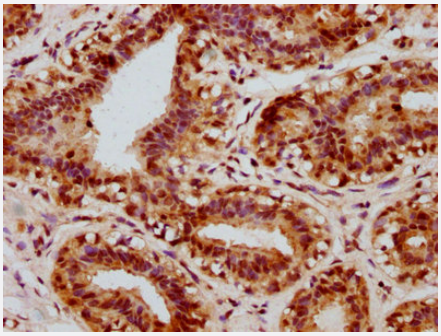
Catalog # RAB08145 Size 50 uL

Applications



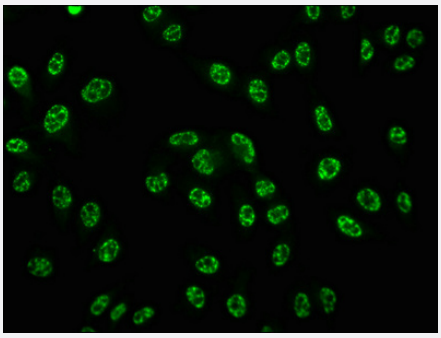
Immunohistochemistry

Immunohistochemical staining of human lung cancer with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100)



Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100).



Immunofluorescence

Immunofluorescent staining of Hela cells with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

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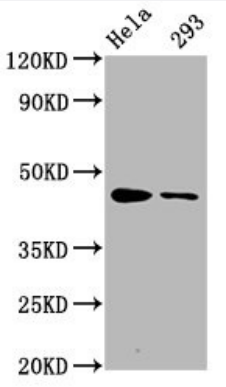

Western Blot

Western blot analysis of
Lane 1:Hela whole cell lysate and
Lane 2: 293 whole cell lysate with CREB1 (phospho S133) recombinant monoclonal antibody.

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
Preparation Method	Mammalian cell (HEK293) expression system
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.

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Applications

- Immunohistochemistry

  Immunohistochemical staining of human lung cancer with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100)

- Immunohistochemistry

  Immunohistochemical staining of human breast carcinoma with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100).

- Immunofluorescence

  Immunofluorescent staining of Hela cells with CREB1 (phospho S133) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- 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.

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 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

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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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- 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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