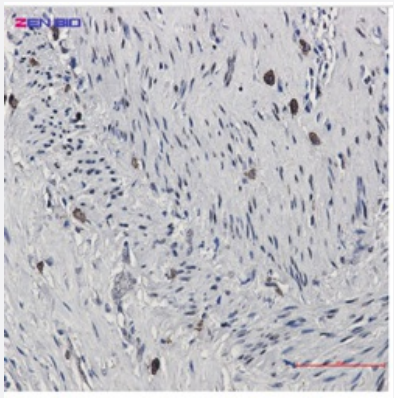
RecomAb™

CREB1 recombinant monoclonal antibody, clone R07-3C4

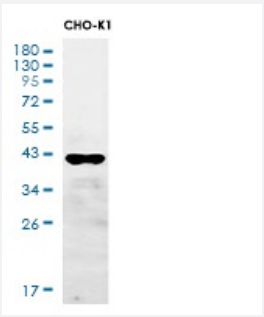
Catalog # RAB01231 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CREB (Phospho-Ser133) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot

Western blot analysis of Phospho-CREB (Ser133) in CHO-K1 lysates using Phospho-CREB (Ser133) antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CREB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against synthetic phosphopeptide corresponding to residues surrounding Ser133 of human CREB.
Theoretical MW (kDa)	Calculated MW: 35 kD
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CREB (Phospho-Ser133) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunoprecipitation

- Western Blot

  Western blot analysis of Phospho-CREB (Ser133) in CHO-K1 lysates using Phospho-CREB (Ser133) 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

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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
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

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- 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
- Sleep Disorders
- Weight Gain

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