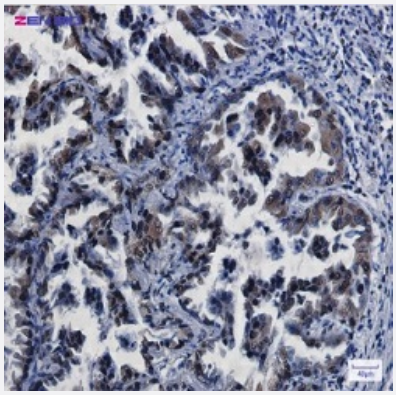
RecomAb™

# CREB1 recombinant monoclonal antibody, clone R08-4H9

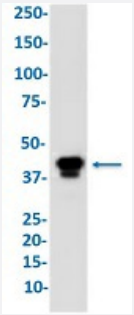
Catalog # RAB02363 Size 100 uL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with CREB1 recombinant monoclonal antibody, clone R08-4H9 (Cat # RAB02363). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.




### Western Blot

Western Blot analysis of Hela lysates with CREB1 recombinant monoclonal antibody, clone R08-4H9 (Cat # RAB02363).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CREB1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human CREB1. |
| **Theoretical MW (kDa)** | Calculated MW: 35 kD |
| **Reactivity** | Human, Mouse, Rat |

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| | |
|---|---|
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>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 -20 °C.<br>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)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with CREB1 recombinant monoclonal antibody, clone R08-4H9 (Cat # RAB02363). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunoprecipitation

- Western Blot

  Western Blot analysis of Hela lysates with CREB1 recombinant monoclonal antibody, clone R08-4H9 (Cat # RAB02363).

## Gene Info — CREB1

| | |
|---|---|
| **Entrez GeneID** | 1385 |
| **Protein Accession#** | P16220 |
| **Gene Name** | CREB1 |
| **Gene Alias** | CREB, MGC9284 |
| **Gene Description** | cAMP responsive element binding protein 1 |

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| | |
|---|---|
| **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 |
| **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

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- Diabetes Mellitus
- 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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