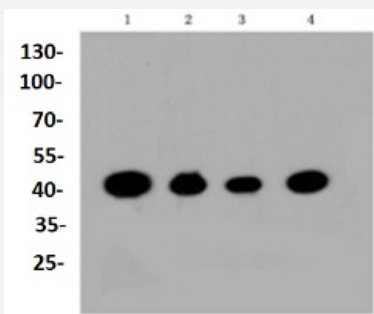


RecomAb™

# CREB1 recombinant monoclonal antibody

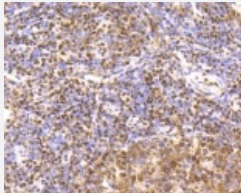
Catalog # RAB02660      Size 100 uL

## Applications



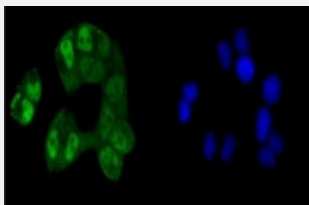
### Western Blot (Cell lysate)

Western blot analysis of Lane1:Hela whole cell lysate Lane2:HepG2 whole cell lysate Lane3:Jurkat whole cell lysate Lane4:NIH/3T3 whole cell lysate with CREB1 recombinant monoclonal antibody (Cat # RAB02660) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using CREB1 recombinant monoclonal antibody (Cat # RAB02660). Counter stained with hematoxylin.



### Immunocytochemistry

Immunocytochemical staining of HeLa cells using CREB1 recombinant monoclonal antibody (Cat # RAB02660)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

## Specification

### Product Description

Rabbit recombinant monoclonal antibody raised against CREB1.

|                      |                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antibody Species     | Rabbit                                                                                                                                                                                                                                                                            |
| Immunogen            | Original antibody is raised against recombinant CREB1.                                                                                                                                                                                                                            |
| Theoretical MW (kDa) | 38                                                                                                                                                                                                                                                                                |
| Reactivity           | Human, Mouse, Rat, Zebra fish                                                                                                                                                                                                                                                     |
| Specificity          | This antibody detects endogenous levels of CREB and does not cross-react with related proteins.                                                                                                                                                                                   |
| Form                 | Liquid                                                                                                                                                                                                                                                                            |
| Purification         | Protein A purification                                                                                                                                                                                                                                                            |
| Isotype              | IgG                                                                                                                                                                                                                                                                               |
| Recommend Usage      | Flow Cytometry (1:10-1:100)<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Immunoprecipitation (1:50-1:200)<br>Western Blot (1:1000-1:5000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)                                                                                                                                                                                                                              |
| Storage Instruction  | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles.                                                                                                                                                                                    |
| Note                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                                            |

## Applications

- Western Blot (Cell lysate)

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Immunohistochemical analysis of paraffin-embedded human tonsil tissue using CREB1 recombinant monoclonal antibody (Cat # RAB02660). Counter stained with hematoxylin.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells using CREB1 recombinant monoclonal antibody (Cat # RAB02660)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

## 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](#)
- [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](#)