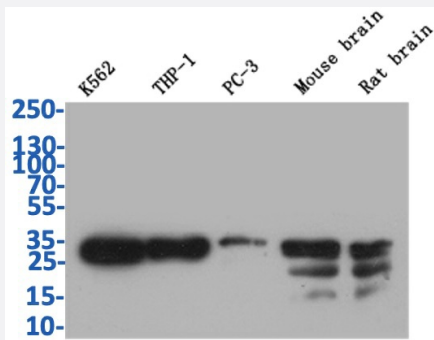


RecomAb™

CREB1 recombinant monoclonal antibody, clone 21E3

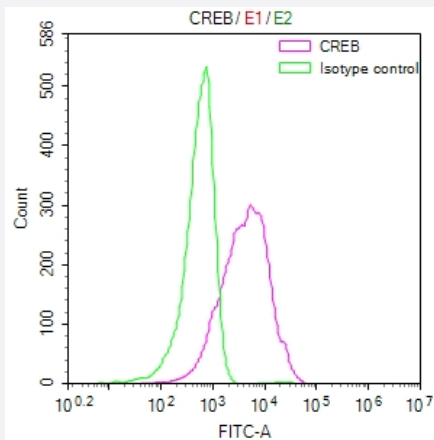
Catalog # RAB07781 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: K562 whole cell lysate; Lane 2: THP-1 whole cell lysate; Lane 3: Mouse brain tissue lysate; Lane 4: Rat brain tissue lysate.



Flow Cytometry

Overlay Peak curve showing Jurkat cells stained with CREB1 recombinant monoclonal antibody, clone 21E3 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat CREB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CREB1.
Theoretical MW (kDa)	Calculated MW: 36
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
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: K562 whole cell lysate; Lane 2: THP-1 whole cell lysate; Lane 3: Mouse brain tissue lysate; Lane 4: Rat brain tissue lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing Jurkat cells stained with CREB1 recombinant monoclonal antibody, clone 21E3 (red line) at 1:50.

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](#)
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- [Metabolic Syndrome X](#)
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