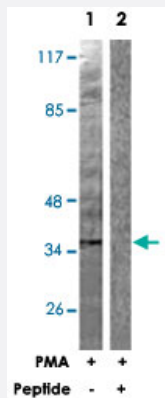


CREB1 polyclonal antibody

Catalog # PAB18091 Size 100 ug

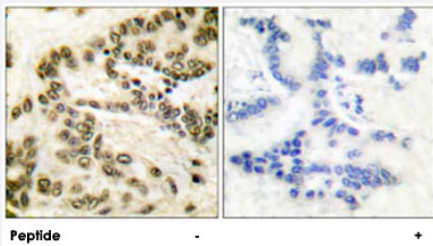
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with PMA (125 ng/mL, 30 min), using CREB1 polyclonal antibody (Cat # PAB18091).

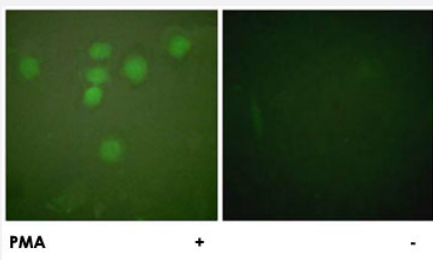
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CREB1 polyclonal antibody (Cat # PAB18091).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, treated with PMA (125 ng/mL, 30 mins), using CREB1 polyclonal antibody (Cat # PAB18091).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CREB1.

Immunogen	A synthetic peptide corresponding to human CREB1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to CREB1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°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 (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with PMA (125 ng/mL, 30 min), using CREB1 polyclonal antibody (Cat # PAB18091).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CREB1 polyclonal antibody (Cat # PAB18091).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, treated with PMA (125 ng/mL, 30 mins), using CREB1 polyclonal antibody (Cat # PAB18091).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- [Activation of D1-like dopamine receptors is involved in the impairment of spatial memory in the offspring of morphine-abstinent rats.](#)

Ghorbangol Ashabi, Maral Matloob, Nazanin Monfared Neirizi, Mojtaba Behrouzi, Mohammad Safarzadeh, Aryaan Rajabpoor Dehdashti, Mitra-Sadat Sadat-Shirazi, Mohammad-Reza Zarrindast.

Neuroscience Research 2020 Sep; 158:37.

Application: WB, Rat, Rat offspring

- [Activity-dependent neuroprotection and cAMP response element-binding protein \(CREB\): kinase coupling, stimulus intensity, and temporal regulation of CREB phosphorylation at serine 133.](#)

Lee B, Butcher GQ, Hoyt KR, Impey S, Obrietan K.

Journal of Neuroscience 2005 Feb; 25(5):1137.

- [Cyclic adenosine 3',5'-monophosphate \(cAMP\) enhances cAMP-responsive element binding \(CREB\) protein phosphorylation and phospho-CREB interaction with the mouse steroidogenic acute regulatory protein gene promoter.](#)

Clem BF, Hudson EA, Clark BJ.

Endocrinology 2005 Mar; 146(3):1348.

Application: ChIP, WB, Mouse, MA-10 cells

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](#)