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CREB Antibody

Rabbit mAb
Catalog # AP90452

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P16220
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	cAMP responsive element binding protein 1; cAMP-respconse element binding protein; CREB-1; CREB1
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35136

Additional Information

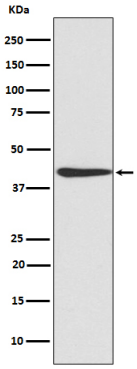
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CREB
Description	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CREB1
Function	Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed:14536081). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312,

ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12552083}

Images



Western blot analysis of CREB expression in NIH/3T3 cell lysate.

Image not found : 202311/AP90452-IHC.jpg

Immunohistochemical analysis of paraffin-embedded mouse brain, using CREB Antibody.

Image not found : 202311/AP90452-IF.jpg

Immunofluorescent analysis of Hela cells, using CREB Antibody .

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