

Rabbit CREB1 Polyclonal Antibody | anti-CREB1 antibody

CREB1 antibody (Ser133)

CATALOG # AAA107944	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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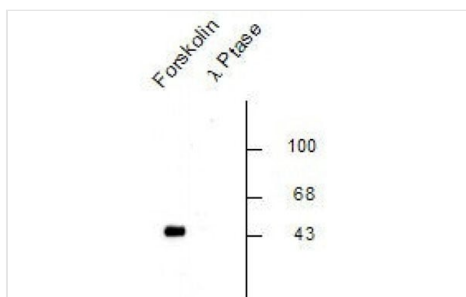
PRODUCT SYNONYMS

CREB1; Polyclonal Antibody; CREB1 antibody (Ser133); Polyclonal CREB1; Anti-CREB1; CREB 1; CREB-1; Active transcription factor CREB; cAMP response element binding protein; cAMP responsive element binding protein 1; cAMP-responsive element-binding protein 1; Cyclic AMP-responsive element-binding protein 1; MGC9284; Transactivator protein; anti-CREB1 antibody

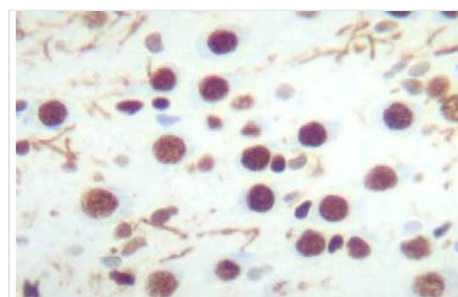
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	CREB1 antibody was purified by affinity chromatography
Form/Format	Supplied in liquid form in 10 mM HEPES buffer (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol
Sequence Length	327
Applicable Applications for anti-CREB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	CAMP responsive element binding protein 1, also known as CREB1, is a protein that in humans is encoded by the CREB1 gene. This protein binds the cAMP response element, a DNA nucleotide sequence present in many viral and cellular promoters. The binding of CREB1 stimulates transcription. This protein is a CREB 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.

IMAGES


WB (Western Blot)

Western blot of forskolin stimulated rat hippocampal lysate showing specific immunolabeling of ~45k CREB phosphorylated at Ser133 (Left lane).


IHC (Immunohistochemistry)

Immunohistochemical staining of cultured rat hippocampal slices showing nuclear labeling of CREB phosphorylated at Ser133 in brown

ADDITIONAL INFORMATION

Related Product Information for anti-CREB1 antibody	Rabbit polyclonal CREB1 antibody (Ser133)
Product Categories/Family for anti-CREB1 antibody	DNA & RNA ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	47115171
NCBI GeneID	1385
UniProt Accession #	Q53X93; P16220
Molecular Weight	35,136 Da
NCBI Official Full Name	CREB1, partial
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	CREB1
NCBI Official Synonym Symbols	CREB
NCBI Protein Information	cyclic AMP-responsive element-binding protein 1
UniProt Protein Name	CREB1 protein
UniProt Gene Name	CREB1
UniProt Entry Name	Q53X93_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/creb1-antibody-immunohistochemistry-western-blot-elisa/107944>