

Rabbit CREB Polyclonal Antibody | anti-CREB antibody

CREB (Phospho-Ser133) Antibody

CATALOG # AAA301030	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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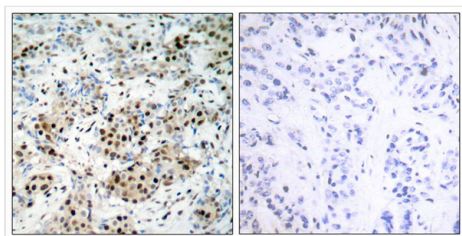
PRODUCT SYNONYMS

CREB; Polyclonal Antibody; CREB (Phospho-Ser133) Antibody; CREB-1; CREB1; anti-CREB antibody

PRODUCT SPECIFICATIONS

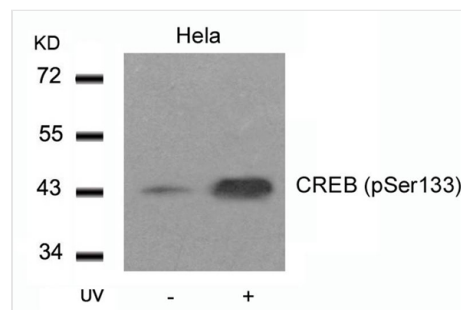
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of CREB only when phosphorylated at serine 133.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography use
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	327
Applicable Applications for anti-CREB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 133 (R-P-S(p)-Y-R) derived from Human CREB.
Modification	Phospho-Ser133
Target Name	CREB
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB(Phospho-Ser133) Antibody (left) or the same antibody preincubated with blocking peptide(right).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells untreated or treated with UV using CREB(Phospho-Ser133) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CREB antibody	CREB1 is a transcription factor that is a member of the bZIP family of DNA binding proteins. It binds as a homodimer to the CRE (cAMP-Responsive Element), an octameric palindrome containing a conserved core sequence, 5-prime-TGACG-3-prime. It consists of two transcript variants encoding respective isoforms produced by alternate splicing. It is mapped to 2q32.3-q34. It is phosphorylated by several protein kinases and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. CREB1 is crucial for the consolidation of long-term conditioned fear memories, but not for encoding, storage, or retrieval of these memories. It is required for the stability of reactivated or retrieved conditioned fear memories.
Product Categories/Family for anti-CREB antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758054
NCBI GeneID	1385
NCBI Accession #	NP_004370.1
NCBI GenBank Nucleotide #	NM_004379.3
UniProt Accession #	P16220; P21934; Q6V963; Q9UMA7
Molecular Weight	25,445 Da
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 1 isoform A
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	Cyclic AMP-responsive element-binding protein 1
UniProt Gene Name	CREB1
UniProt Synonym Gene Names	CREB-1; cAMP-responsive element-binding protein 1
UniProt Entry Name	CREB1_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://stage.aaabiotech.com/polyclonal/creb-antibody-immunohistochemistry-western-blot-elisa/301030>