

CREB Antibody | anti-CREB antibody

CREB (Phospho-Ser133) Antibody

CATALOG # AAA111633	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunoprecipitation, ELISA, Immunohistochemistry, Western Blot
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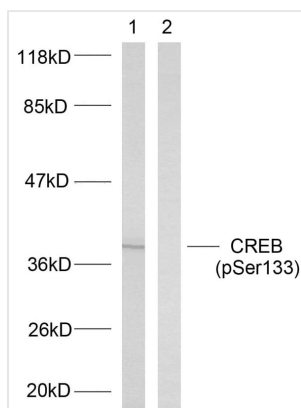
PRODUCT SYNONYMS

CREB; CREB (Phospho-Ser133) Antibody; anti-CREB antibody

PRODUCT SPECIFICATIONS

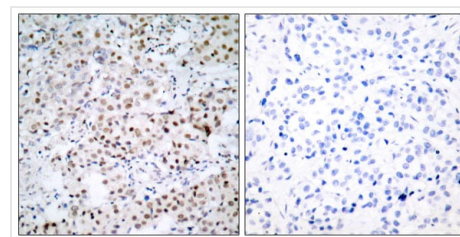
Reactivity	Human, Mouse, Rat
Specificity	CREB (phospho-Ser133) antibody detects endogenous levels of CREB only when phosphorylated at serine 133.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	327
Applicable Applications for anti-CREB antibody	IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CREB around the phosphorylation site of serine 133 (R-P-SP-Y-R) (CILSRPSYRKILN).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with UV, using CREB (phospho-Ser133) antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (phospho-Ser133) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CREB antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Xing J, et al. (1998) Mol Cell Biol 18(4): 1946-55. Tan Y, et al. (1996) EMBO J; 15(17): 4629-42. Hao, M. et al. (1996) J. Biol. Chem. 271, 29380-29385. Mayo LD, et al. (2001) Biol Chem; 276(27): 25184-9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758054
NCBI GeneID	1385
NCBI Accession #	NP_004370.1
NCBI GenBank Nucleotide #	NM_004379.4
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; CREB-1
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

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.