

CREB Antibody | anti-CREB antibody

CREB (Phospho-Ser142) Antibody

CATALOG # AAA267314	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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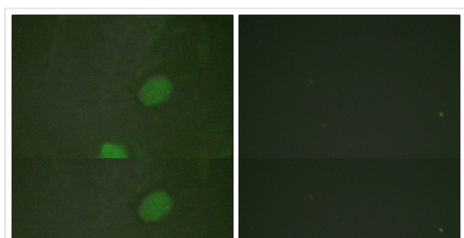
PRODUCT SYNONYMS

CREB; CREB (Phospho-Ser142) Antibody; CREB-1; CREB1; cAMP-response element binding protein; anti-CREB antibody

PRODUCT SPECIFICATIONS

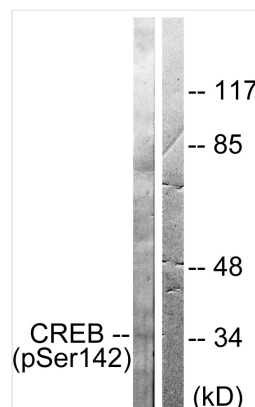
Reactivity	Human, Mouse, Rat
Specificity	CREB (phospho-Ser142) antibody detects endogenous levels of CREB only when phosphorylated at serine 142.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide 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	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human CREB around the phosphorylation site of serine 142 (D-L-SP-S-D).
All Sites	Human: Ser142 Mouse: Ser142 Rat: Ser142
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



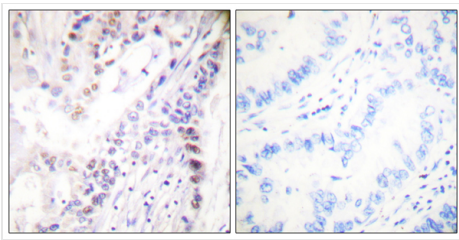
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HeLa cells, using CREB (phospho-Ser142) antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with PMA (125ng/ml, 30mins), using CREB (phospho-Ser142) antibody.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CREB (phospho-Ser142) antibody.

ADDITIONAL INFORMATION

References

Anjali Rajadhyaksha, J. Neurosci., Aug 1999; 19: 6348. Brian F. Clem, Endocrinology, Mar 2005; 146: 1348-1356. Boyoung Lee, J. Neurosci., Feb 2005; 25: 1137-1148. Lance Zirpel, J. Neurosci., Aug 2000; 20: 6267.

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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/creb/267314>