

# CREB(Phospho-Ser142) Antibody

Catalog No: #11300

Package Size: #11300-1 50ul #11300-2 100ul

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## Description

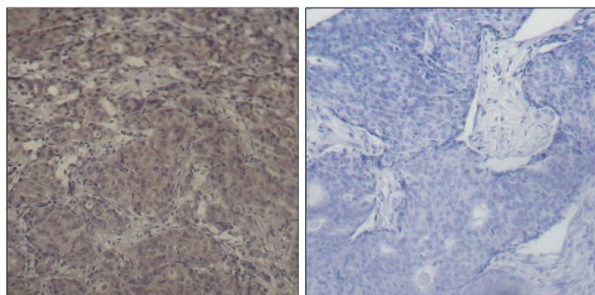
Product Name	CREB(Phospho-Ser142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of CREB only when phosphorylated at serine142.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 142(D-L-S(p)-S-D) derived from Human CREB.
Target Name	CREB
Modification	Phospho
Other Names	CREB
Accession No.	Swiss-Prot: P16220; NCBI Gene ID: 1385; NCBI mRNA: NM_004379.3; NCBI Protein: NP_004370.1
SDS-PAGE MW	43KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

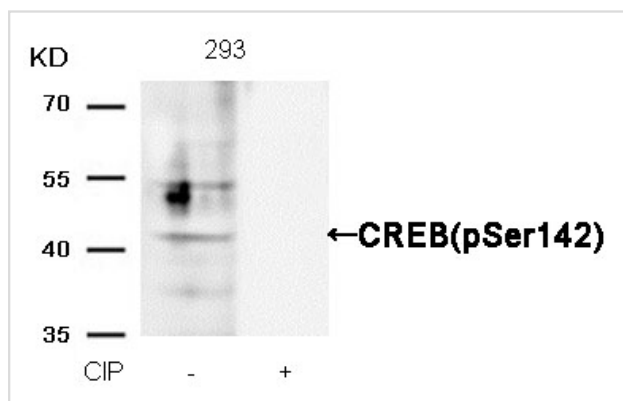
Predicted MW: 43kd

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (Phospho-Ser142) Antibody (#11300).



Western blot analysis of extracts from 293 cells, treated with calf intestinal phosphatase (CIP), using CREB(Phospho-Ser142) Antibody #11300.

## Background

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. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

## Published Papers

el at., Methamphetamine Activates Trace Amine Associated Receptor 1 to Regulate Astrocyte Excitatory Amino Acid Transporter-2 via Differential CREB Phosphorylation During HIV-Associated Neurocognitive Disorders. In Front Neurol on 2020 Nov 25 by Irma E Cisneros, Anuja Ghorpade, et al..PMID:33324330, , (2020)

[PMID:33324330](#)

Tomasz Boczek, Anna Kozaczuk, Bozena Ferenc el at., Gene expression pattern in PC12 cells with reduced PMCA2 or PMCA3 isoform: selective up-regulation of calmodulin and neuromodulin, Mol Cell Biochem, 360(1-2):89-102(2012)

[PMID:21912933](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.