

CREB(Phospho-Ser142) Antibody

Catalog No: #11300

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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

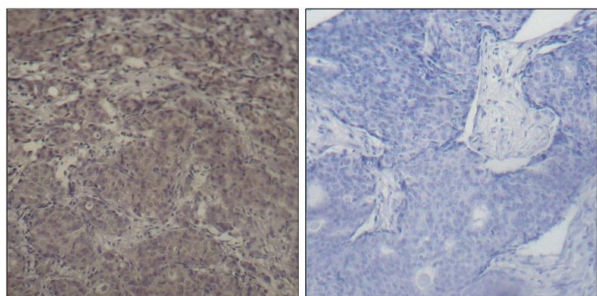
Product Name	CREB(Phospho-Ser142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
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.
Conjugates	Unconjugated
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 ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

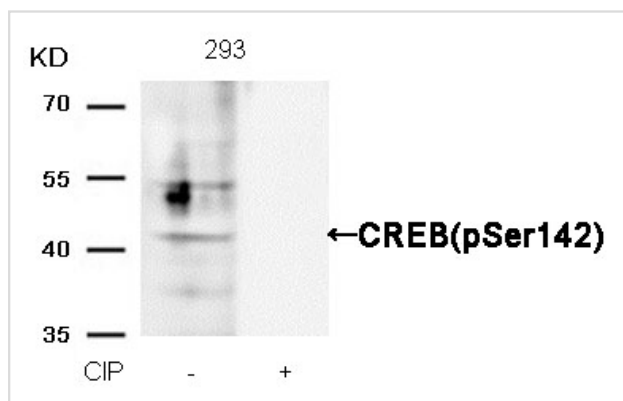
Predicted MW: 43kd

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

Tomasz Boczek, Anna Kozaczuk, Bozena Ferenc et al., 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](#)

et al., 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](#)

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