CREB(Phospho-Ser142) Antibody

Catalog No: #AB11300

Package Size: #AB11300-1 50ul #AB11300-2 100ul #AB11300-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

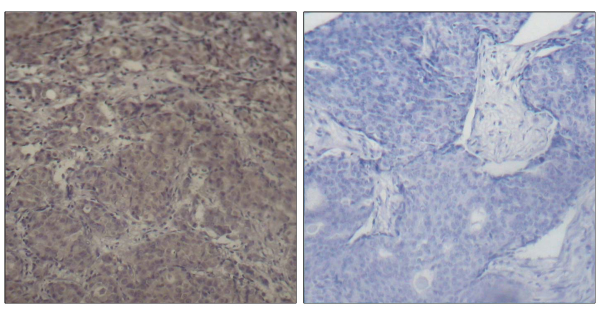
Product Name	CREB(Phospho-Ser142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy 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-Ser142
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 Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

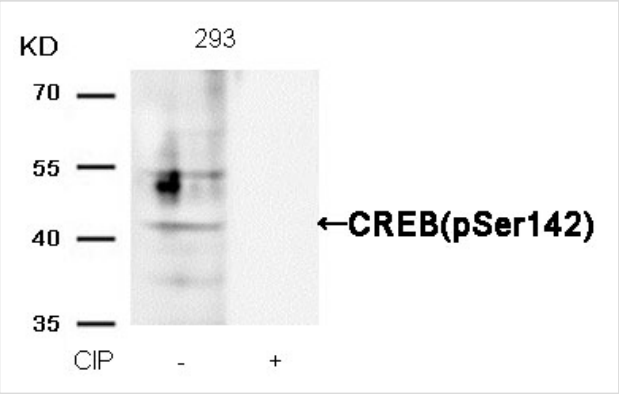
Predicted MW: 43kd

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (Phospho-Ser142) Antibody (#AB11300).



Western blot analysis of extracts from 293 cells, treated with calf intestinal phosphatase (CIP), using CREB(Phospho-Ser142) Antibody #AB11300.

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.

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