

## CREB (Phospho-Thr100) Antibody

Catalog No: #12133

Package Size: #12133-1 50ul #12133-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

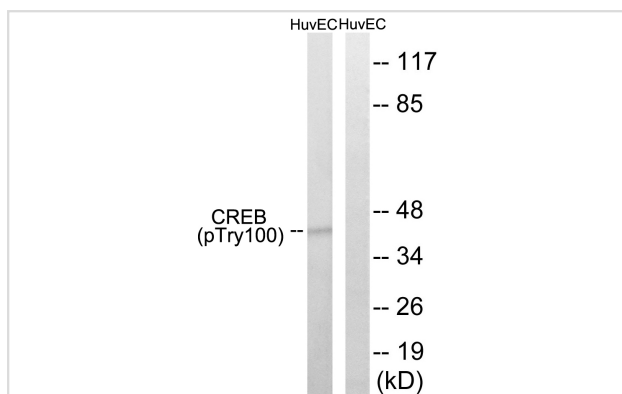
## Description

Product Name	CREB (Phospho-Thr100) 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
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of CREB only when phosphorylated at threonine 100.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of threonine 100 (S-G-T(p)-Q-I) derived from Human CREB.
Target Name	CREB
Modification	Phospho
Other Names	cAMP responsive element binding protein 1; cAMP-response element binding protein; CREB-1; CREB1
Accession No.	Swiss-Prot#:P16220;NCBI Gene#:1385
Uniprot	P16220
GeneID	1385;
SDS-PAGE MW	43kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from HUVEC cells, treated with etoposide (25uM, 24hours), using CREB (Phospho-Thr100) antibody #12133. The lane on the right is treated with the synthesized peptide.

## 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