# CREB (Phospho-Thr100) Antibody

Catalog No: #12133

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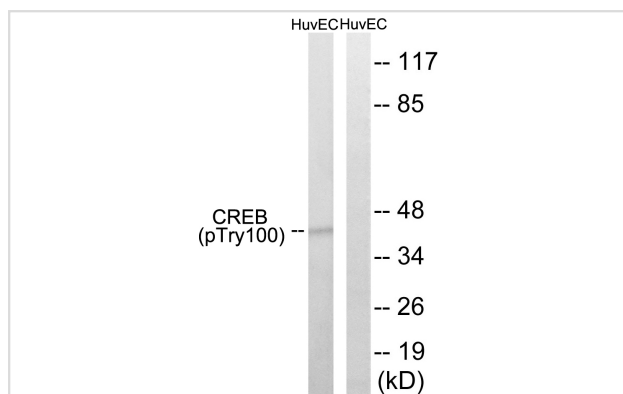
## Description

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|---|---|
| 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 chromatogramphy 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 Mg2+ and Ca2+), 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