

CREB-1 (phospho Thr100) rabbit pAb**Cat#: orb767673 (Manual)**

For research use only. Not intended for diagnostic use.

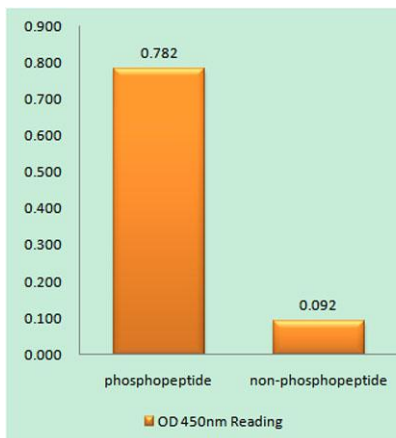
Product Name	CREB-1 (phospho Thr100) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CREB around the phosphorylation site of Thr100. AA range:71-120
Specificity	Phospho-CREB-1 (T100) Polyclonal Antibody detects endogenous levels of CREB-1 protein only when phosphorylated at T100.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cyclic AMP-responsive element-binding protein 1
Gene Name	CREB1
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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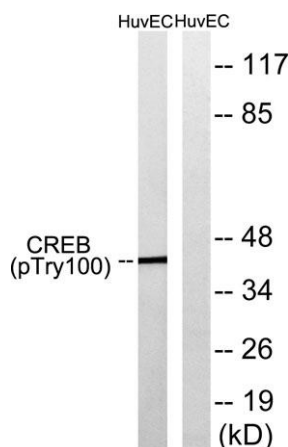
Concentration	1 mg/ml
Observed band	42kD
Human Gene ID	1385
Human Swiss-Prot Number	P16220
Alternative Names	CREB1; Cyclic AMP-responsive element-binding protein 1; CREB-1; cAMP-responsive element-binding protein 1

Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CREB (Phospho-Thr100) Antibody



Western blot analysis of lysates from HUVEC cells treated with etoposide 25uM 24H, using CREB (Phospho-Thr100) Antibody. The lane on the right is blocked with the phospho peptide.



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