www.antibodiesinc.com
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PRODUCT DATASHEET

Anti-CREB (Ser133) Antibody

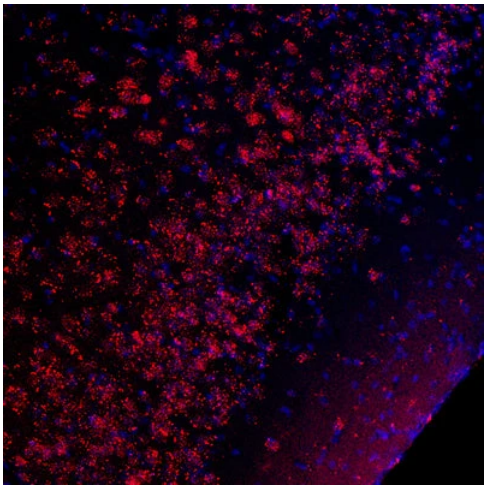
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

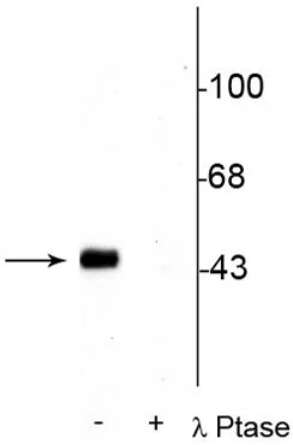
Available Variants	100 µL (SKU:p1010-133) 25 µL (SKU:p1010-133t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	CREB1
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 IHC: 1:100-1:1000
Species Reactivity	Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser133 of rat CREB, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~45 kDa CREB protein phosphorylated at Ser133. Immunolabeling is completely eliminated by treatment with λ-phosphatase.
Molecular Weight	45 kDa
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Antibody Registry ID	AB_2492066
UniProt ID	P15337 UniProt Summary: 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 (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed:14536081). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity). {ECO:0000250|UniProtKB:P27925, ECO:0000250|UniProtKB:Q01147, ECO:0000269|PubMed:14536081}.
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Chicken, Human, Non-Human Primate, Sheep, Xenopus, Zebrafish
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser133
NCBI Gene ID	81646

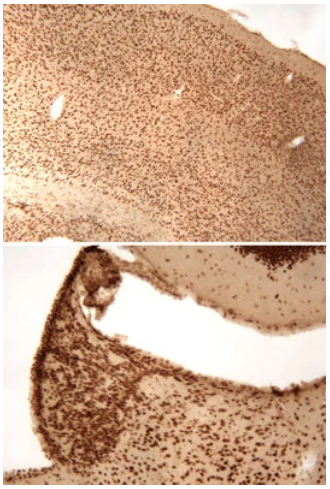
Product Images



Immunolabeling of a section of mouse piriform cortex labeled with Anti-Phospho-Ser133 CREB (Cat. p1010-133, red, 1:1000). Cell nuclei are visualized with DAPI DNA stain (blue).



Western blot of rat hippocampal lysate stimulated with forskolin showing specific immunolabeling of the ~45 kDa CREB phosphorylated at Ser133 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ-Ptase, 800 units/1mg protein for 30 min).



Immunolabeling of mouse cerebral cortex (top) and habenula (bottom) brain sections labeled with anti-phospho-ser133 CREB (Cat. p1010-133, DAB, 1:100). These images were kindly provided by Dr. Anton Reiner, Univ. of Tennessee Health Science Center (Memphis, TN).



Created on 30. October 2026 | All information without guarantee