
CREB Recombinant Rabbit mAb

Catalog Number: bsm-34317R

Target Protein: CREB

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 14D4

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:50-100), IHC-F (1:50-100), IF (1:50-200)

Reactivity: Human, Mouse (predicted:Rat)

Predicted MW: 37 kDa

Subcellular Nucleus

Locations:

Entrez Gene: 1385

Swiss Prot: P16220

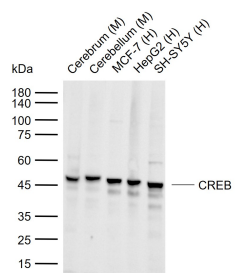
Purification: affinity purified by Protein A

Storage: pH7.4, 150mM NaCl, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The ATF/CREB family consists of transcription factors that function through binding to the cAMP responsive element (CRE) palindromic octanucleotide, TGACCTCA. The best characterized members of this gene family include CREB-1, CREB-2, ATF-1, ATF-2, ATF-3 and ATF-4. These transcription factors share highly-related COOH terminal leucine zipper dimerization and basic DNA bindings but are highly divergent in their amino terminal domains. Although each of the ATF/CREB proteins bind CREs in their homodimeric form, in certain instances they also bind as heterodimers, both within the ATF/CREB family and with members of the AP-1 transcription factor family. It has recently been shown that protein kinase A-mediated CREB phosphorylation results in its binding to a 265kDa nuclear protein designated CBP (CREB-binding protein), which may represent a CREB co-activator.

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Human MCF-7 cell lysates Lane 4: Human HepG2 cell lysates Lane 5: Human SH-SY5Y cell lysates Primary: Anti-CREB (bsm-34317R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kDa Observed band size: 46 kDa