

bs-5256R**[Primary Antibody]****phospho-CREB-1 (Ser129) Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

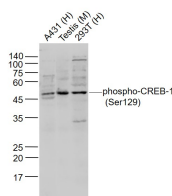
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat, Pig, Sheep, Horse)
GeneID: 1385	SWISS: P16220	Predicted MW.: 37 kDa
Target: CREB-1 (Ser129)		Subcellular Location: Nucleus
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CREB-1 around the phosphorylation site of Ser129: IL(p-S)RR.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 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-3and 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: A431 (Human) Cell Lysate at 30 ug
Lane 2: Liver (Mouse) Lysate at 40 ug
Lane 3: 293T (Human) Cell Lysate at 30 ug
Primary: Anti-phospho-CREB-1 (Ser129) (bs-5256R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kD
Observed band size: 47 kD

— SELECTED CITATIONS —

- **[IF=3.3]** Xue Chen. et al. Role of IGF1/IGFR signaling pathway in neuroprotective effect of Shengmai Dihuang Decoction on CIH-induced cognitive impairment. Journal of Traditional and Complementary Medicine. 2024 Nov;; WB ;Mouse. 10.1016/j.jtcme.2024.11.014