

bs-0035R**[Primary Antibody]****Bioss**
ANTIBODIES

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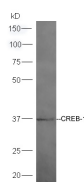
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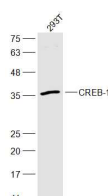
400-901-9800

CREB-1 Rabbit pAb**— DATASHEET —**

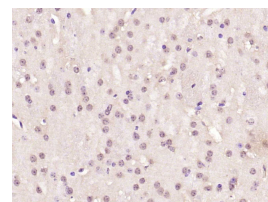
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Pig, Sheep, Cow, Chicken, Dog) Predicted MW.: 37 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 1385	SWISS: P16220	
Target: CREB-1		
Immunogen: KLH conjugated synthetic peptide derived from human CREB-1: 101-150/341.		
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-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 —

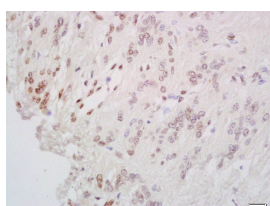
Sample: Hela Cell Lysate at 40 ug
Primary: Anti-CREB-1 (bs-0035R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1:5000 dilution; Predicted band size: 37 kD
Observed band size: 37 kD



Sample: 293T (Human) Cell Lysate at 30 ug
Primary: Anti-CREB-1 (bs-0035R) at 1/300 dilution; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution; Predicted band size: 37 kD
Observed band size: 37 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CREB-1) Polyclonal Antibody, Unconjugated (bs-0035R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human cervical carcinoma; 4%

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CREB-1 Polyclonal Antibody, Unconjugated(bs-0035R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=8.886]** Bolin Cai. et al. LncEDCH1 improves mitochondrial function to reduce muscle atrophy by interacting with sarcoplasmic/endoplasmic reticulum calcium ATPase 2. Mol Ther-Nucl Acids. 2021 Dec;; WB ;Chicken. 35024244
- **[IF=8.4]** Hu Bowen. et al. Local GHR roles in regulation of mitochondrial function through mitochondrial biogenesis during myoblast differentiation. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 WB ;Chicken. 37337300
- **[IF=5.714]** Xiaoxiang Peng. et al. Phasic regulation of the ATP/P2X7 receptor signaling pathway affects the function of antigen-presenting cells in experimental autoimmune uveitis. INT IMMUNOPHARMACOL. 2023 Jun;119:110241 WB ;Mouse. 37141671
- **[IF=3.68]** Zhang et al. Neuroprotective effect of arctigenin via upregulation of P-CREB in mouse primary neurons and human SH-SY5Y neuroblastoma cells. (2013) Int.J.Mol.Sci. 14:18657-69 IF ;Human. 24025424
- **[IF=2.9]** Miao Jixuan. et al. Role of fructose in renal cell carcinoma progression. Discover Oncology. 2025 Dec;16(1):1-14 WB ;Mouse. 40410626