bs-5269R

[Primary Antibody]

phospho-CREB-1 (Ser142) Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 1385 **SWISS:** P16220

Target: CREB-1 (Ser142)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

CREB-1 around the phosphorylation site of Ser142: DL(p-S)SD.

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 demerization 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 cerain instances they also bind as heterodimers, both within the ATF/CREB family and with members of the AP-1 transcription factor family. It has recentlybeen shown that protein kinase A-mediated CREB phosphorylation results in its

binding to a 265kDa nuclear protein designated CBP (CREB-binding protein), which may reprecent a CREB co-activator.

Applications: Flow-Cyt (1µg/Test)

Reactivity: Human (predicted: Mouse,

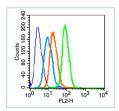
Rat, Pig, Sheep, Cow,

Chicken, Horse)

Predicted 37 kDa MW.:

Subcellular Location: Nucleus

VALIDATION IMAGES



Blank control (blue line): Hela cells (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C). Primary Antibody (green line): Rabbit Anti-phospho-CREB-1(Ser142) antibody (bs-5269R),Dilution: $1\mu g/10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat antirabbit IgG-PE,Dilution: 1µg/test.

- SELECTED CITATIONS -

- [IF=3] Xiaoyue Guan. et al. The possible role of Gremlin1 in inflammatory apical periodontitis. ARCH ORAL BIOL. 2023 Nov;:105848 IHC,IF; Rat, Human. 37977053
- [IF=3.1] Kexin Sun. et al. Neuroinflammatory mechanism of Volatile oil from Acori graminei Rhizoma in tourette syndrome: GC-MS, network pharmacology and experimental validation. J PHARMACEUT BIOMED. 2025 Jul;:117057 IHC,WB;Rat. 40712238