bs-3210R **[Primary Antibody]**

phospho-c-Jun (Ser63) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3725 **SWISS:** P05412

Target: c-Jun (Ser63)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human c-Jun around the phosphorylation site of Ser63: LT(p-S)PD.

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: C-jun (Oncoprotein C-jun) is a component of the transcription factor AP-1 that binds and activates transcription at TRE/AP-1 elements and appears to be a major downstream target of the SAPK/JNK signaling pathway. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73. Extracellular signals including growth factors, transforming oncoproteins and UV irradiation stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun dependent transcription. Mutation of Ser63/73 renders c-Jun nonresponsive to mitogenic and stress induced signaling pathways. The MAP kinase homologue, SAPK/JNK, binds to the N-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73. In addition, the activity of SAPK/JNK is stimulated by the same signals that activate c-Jun.

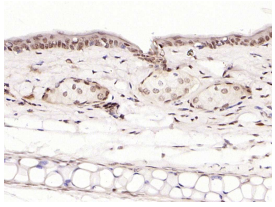
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2μg /Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)

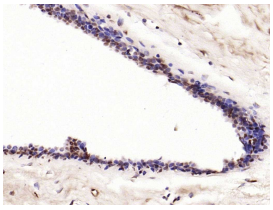
Predicted MW.: 36 kDa

Subcellular Location: Nucleus

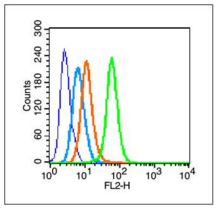
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (mouse skin); 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 (phospho-c-Jun (Ser63)) Polyclonal Antibody, Unconjugated (bs-3210R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); 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 (phospho-c-Jun (Ser63)) Polyclonal Antibody, Unconjugated (bs-3210R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control (blue line): HepG2 (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-c-Jun (Ser63)antibody (bs-3210R),Dilution: 0.2μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1μg /test.

SELECTED CITATIONS

- **[IF=6.7]** Meng Liu. et al. p-Hydroxy benzaldehyde, a Phenolic Compound from Nostoc commune, Ameliorates DSS-Induced Colitis Against Oxidative Stress via the Nrf2/HO-1/NQO-1/NF-κB/AP-1 Pathway. PHYTOMEDICINE. 2024 Aug;:155941 WB ;Mouse. 39128305
- **[IF=3.943]** Xiuhong Wang. et al. Protective effect of combination of anakinra and MCC950 against acute lung injury is

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achieved through suppression of the NF-κB-mediated-MAPK and NLRP3-caspase pathways. Int Immunopharmacol. 2021 Aug;97:107506 WB ;Mouse. 34022766

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