bs-5463R **[Primary Antibody]**

phospho-c-Jun (Tyr170) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3725 **SWISS:** P05412

Target: c-Jun (Tyr170)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human c-Jun around the phosphorylation site of Tyr170: PV(p-Y)AN.

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.

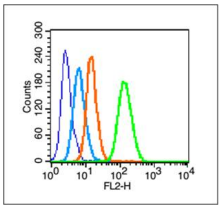
Applications: **Flow-Cyt** (1µg/Test)

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

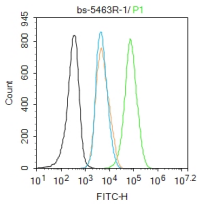
Predicted MW.: 36 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



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(Tyr170)antibody (bs-5463R),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.



Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-phospho-c-Jun (Tyr170) antibody (bs-5463R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.