

**bsm-52141R****[ Primary Antibody ]****BioSS**  
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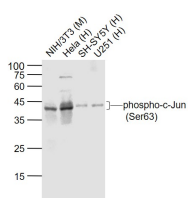
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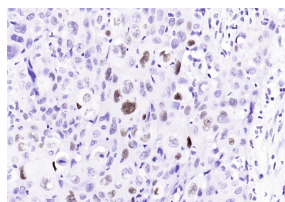
400-901-9800

**phospho-c-Jun (Ser63) Recombinant Rabbit mAb****— DATASHEET —**

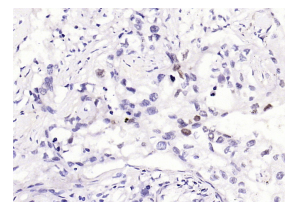
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|--|--|---|
| <p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Recombinant</p> <p><b>GeneID:</b> 3725</p> <p><b>Target:</b> c-Jun (Ser63)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human c-Jun around the phosphorylation site of Ser63: LT(p-S)PD.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 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.</p> <p><b>Background:</b> 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.</p> | <p><b>Isotype:</b> IgG</p> <p><b>CloneNo.:</b> 6C2</p> <p><b>SWISS:</b> P05412</p> | <p><b>Applications:</b> WB (1:500-2000)<br/>IHC-P (1:50-100)<br/>IHC-F (1:50-100)<br/>IF (1:50-200)<br/>ICC/IF (1:50-200)</p> <p><b>Reactivity:</b> Human, Mouse (predicted: Rat)</p> <p><b>Predicted MW.:</b> 36 kDa</p> <p><b>Subcellular Location:</b> Nucleus</p> |
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**— VALIDATION IMAGES —**

Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 ug  
Lane 2: HeLa (Human) Cell Lysate at 30 ug  
Lane 3: SH-SY5Y (Human) Cell Lysate at 30 ug  
Lane 4: U251 (Human) Cell Lysate at 30 ug  
Primary: Anti-phospho-c-Jun (Ser63) (bsm-52141R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 36/43 kD  
Observed band size: 43 kD



Paraformaldehyde-fixed, paraffin embedded (human laryngeal 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)) Monoclonal Antibody, Unconjugated (bsm-52141R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human skin cancer); 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)) Monoclonal Antibody, Unconjugated (bsm-52141R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.3]** Caixia Tan. et al. Mcl-1 downregulation enhances BCG treatment efficacy in bladder cancer by promoting macrophage polarization. Cancer Cell International. 2025 Feb 15;25(1):48. ;. 39955585