bsm-52141R

## [ Primary Antibody ]



## phospho-c-Jun (Ser63) Recombinant Rabbit mAb A N T B

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DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 6C2 **GenelD: 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: WB (1:500-2000)

IHC-P (1:50-500) IHC-F (1:50-500) **IF** (1:50-500) ICC/IF (1:50-200)

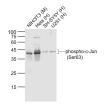
Reactivity: Human, Mouse

(predicted: Rat)

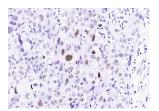
Predicted 36 kDa MW.:

Subcellular Location: Nucleus

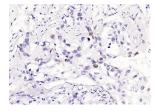
## VALIDATION IMAGES



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