bsm-52035R **[Primary Antibody]**

c-Jun Recombinant Rabbit mAb

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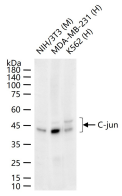
DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 4A11
GeneID: 3725
SWISS: P05412
Target: c-Jun
Immunogen: A synthesized peptide derived from human c Jun: 1-45.
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)
Reactivity: Human, Mouse
Predicted MW.: 43 kDa
Subcellular Location: Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with C-jun monoclonal antibody, unconjugated (bsm-52035R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

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=3.414]** Hou Y et al. Longzhibu disease and its therapeutic effects by traditional Tibetan medicine: Ershi-wei Chenxiang pills. J Ethnopharmacol. 2019 Nov 24:112426. IHC,WB ;Rat. 31775011