

Product Name: KD-Validated JUN Mouse Monoclonal Antibody**Catalog #: KVA00683**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 35.7kDa

Antigen Information

Gene Name	JUN JUN; Jun Proto-Oncogene, AP-1 Transcription Factor Subunit; V-Jun Avian Sarcoma Virus 17 Oncogene Homolog 2; C-Jun; AP-1; Transcription Factor AP-1 Subunit Jun; Transcription
Alternative Names	Factor Jun; Proto-Oncogene C-Jun; Activator Protein 1; Jun Oncogene; AP1; P39; V-Jun Sarcoma Virus 17 Oncogene Homolog; Jun Activation Domain Binding Protein; Enhancer-Binding Protein AP1; Transcription Factor AP-1; Proto-Oncogene CJun; CJUN
Gene ID	3725.0
SwissProt ID	P05412
Immunogen	Recombinant protein of human JUN

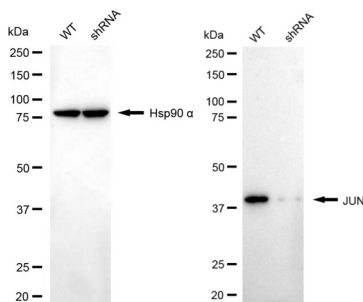
Background

This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq, Jul 2008]

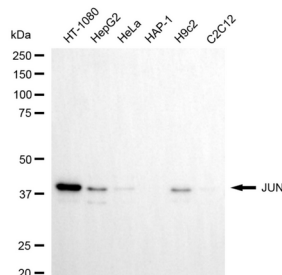
Research Area

Epigenetics and Nuclear Signaling,Signal Transduction,Cancer,Immunology,Kits/ Lysates/ Other,Neuroscience

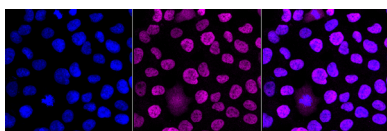
Image Data



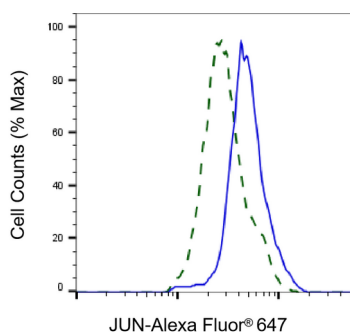
Western blotting analysis using JUN antibody (KVA00683). JUN expression in wild type (WT) and JUN shRNA knockdown (KD) C2C12 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with JUN antibody (KVA00683, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



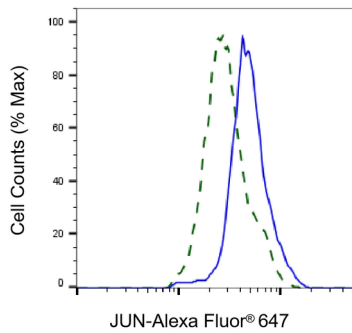
Western blotting analysis using JUN antibody (KVA00683). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with JUN antibody (KVA00683, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with JUN antibody (KVA00683, 1:1,000). Nuclei were stained blue with DAPI; JUN was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and Smart Gain: Medium. Scale bar, 20 µm.



Validation of JUN knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) C2C12 cells were stained with JUN antibody (KVA00683, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of JUN expression in HT-1080 cells using JUN antibody (KVA00683, 1:2,000). Green, isotype control; red, JUN.