Product Name: **KD-Validated JunD Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01029**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 35.2kDa

Antigen Information

Gene Name	JUND
Alternative Names	JUND; JunD Proto-Oncogene, AP-1 Transcription Factor Subunit; AP-1; Transcription Factor AP-1 Subunit JunD; Transcription Factor Jun-D; Transcription Factor JunD; Activator Protein 1; Jun D Proto-Oncogene; JunD-FL Isoform
Gene ID	3727.0
SwissProt ID	P17535
Immunogen	A synthesized peptide derived from human JunD

Background

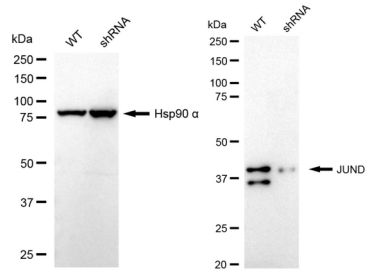
The protein encoded by this intronless gene is a member of the JUN family, and a functional component of the AP1 transcription factor complex. This protein has been proposed to protect cells from p53-dependent senescence and apoptosis.

Alternative translation initiation site usage results in the production of different isoforms (PMID:12105216). [provided by RefSeq, Nov 2013]

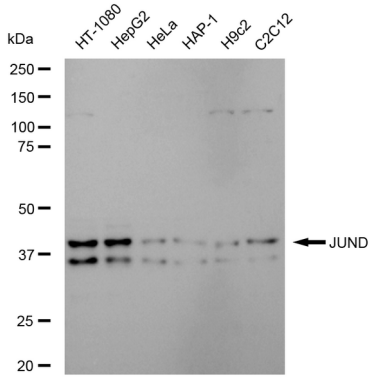
Research Area

Epigenetics and Nuclear Signaling,Cardiovascular

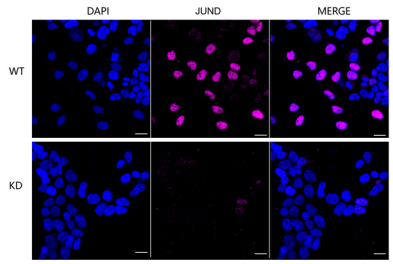
Image Data



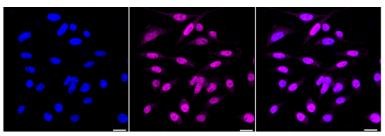
Western blotting analysis using JunD antibody (KVAb01029). JunD expression in wild type (WT) and JunD shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with JunD antibody (KVAb01029, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



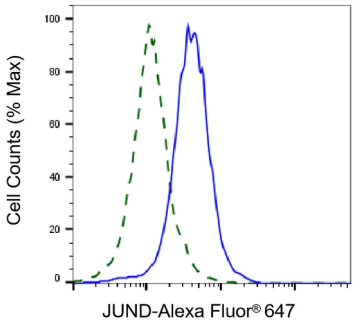
Western blotting analysis using JunD antibody (KVAb01029). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with JunD antibody (KVAb01029, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



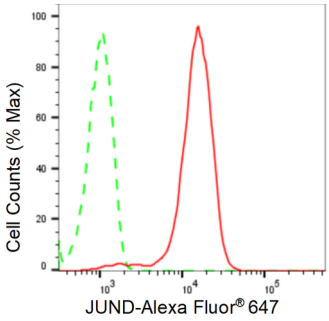
Immunocytochemical staining of HeLa cells using JunD antibody (KVAb01029, 1:1,000), Top panel: wild-type (WT); Bottom panal: JUND shRNA knockdown (KD). Nuclei were stained blue with DAPI; JunD was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with JunD antibody (KVAb01029, 1:1,000). Nuclei were stained blue with DAPI; JunD 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 JUND knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with JunD antibody (KVAb01029, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of JunD expression in HepG2 cells using JunD antibody (KVAb01029, 1:2,000). Green, isotype control; red, JunD.