Product Name: **KD-Validated Phospho-JunD (S255) Recombinant Rabbit Monoclonal Antibody**

Catalog #: **KVAb01030**

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 Phospho-JunD (S255)

Background

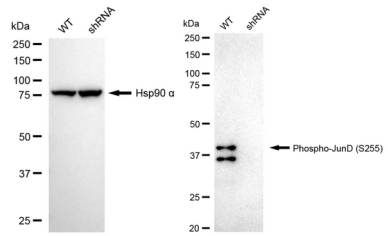
The protein encoded by this intronless gene is a member of the JUN family, and a functional component of the AP1

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]

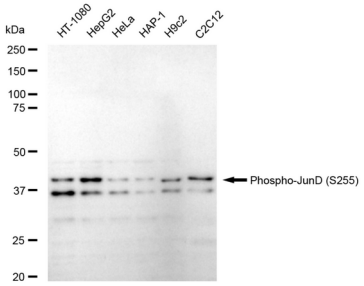
Research Area

Epigenetics and Nuclear Signaling,Cardiovascular

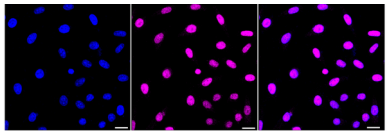
Image Data



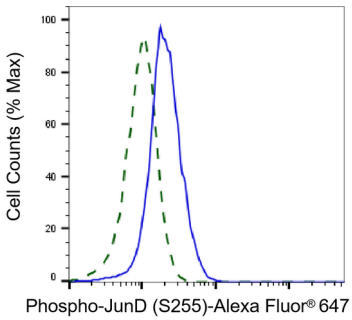
Western blotting analysis using phospho-JunD (S255) antibody (KVAb01030). Phospho-JunD (S255) expression in wild type (WT) and JUND shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-JunD (S255) antibody (KVAb01030, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



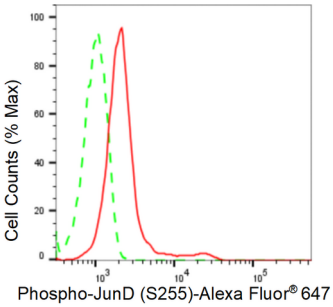
Western blotting analysis using phospho-JunD (S255) antibody (KVAb01030). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-JunD (S255) antibody (KVAb01030, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Phospho-JunD (S255) antibody (KVAb01030, 1:1,000). Nuclei were stained blue with DAPI; Phospho-JunD (S255) 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 Phospho-JunD (S255) antibody (KVAb01030, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Phospho-JunD (S255) expression in HepG2 cells using Phospho-JunD (S255) antibody (KVAb01030, 1:2,000). Green, isotype control; red, Phospho-JunD (S255).