

**Product Name: KD-Validated JUNB Recombinant Rabbit Monoclonal Antibody****Catalog #: KVA01047**

For research use only.

**Summary**

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

**Application**

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 35.9kDa                                  |

**Antigen Information**

|                          |                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | JUNB<br>JUNB; JunB Proto-Oncogene, AP-1 Transcription Factor Subunit; Transcription Factor AP-1                      |
| <b>Alternative Names</b> | Subunit JunB; Transcription Factor JunB; Transcription Factor Jun-B; Jun B Proto-Oncogene; Activator Protein 1; AP-1 |
| <b>Gene ID</b>           | 3726.0                                                                                                               |
| <b>SwissProt ID</b>      | P17275                                                                                                               |
| <b>Immunogen</b>         | A synthesized peptide derived from human JunB                                                                        |

**Background**

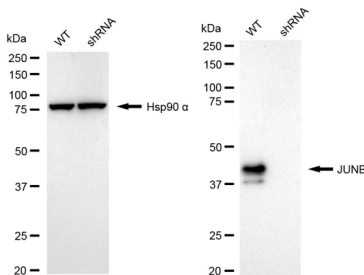
Enables sequence-specific double-stranded DNA binding activity. Involved in positive regulation of transcription by RNA polymerase II. Located in nucleoplasm. Part of transcription factor AP-1 complex. Implicated in head and neck squamous cell

carcinoma and melanoma. Biomarker of gastrointestinal system cancer (multiple); lung non-small cell carcinoma; and lymphoma (multiple). [provided by Alliance of Genome Resources, Jul 2025]

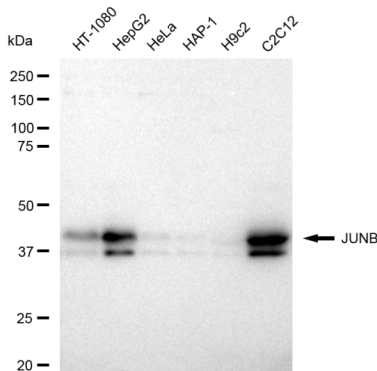
## Research Area

Epigenetics and Nuclear Signaling, Neuroscience

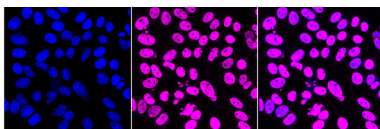
## Image Data



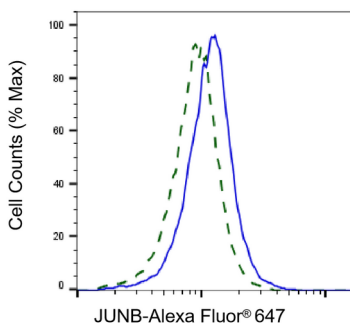
Western blotting analysis using JUNB antibody (KVA01047). JUNB expression in wild type (WT) and JUNB shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with JUNB antibody (KVA01047, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



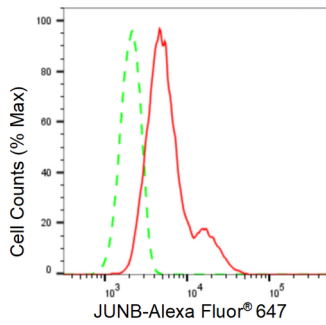
Western blotting analysis using JUNB antibody (KVA01047). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with JUNB antibody (KVA01047, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with JUNB antibody (KVA01047, 1:1,000). Nuclei were stained blue with DAPI; JUNB 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 JUNB knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with JUNB antibody (KVA01047, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of JUNB expression in HepG2 cells using JUNB antibody (KVA01047, 1:2,000). Green, isotype control; red, JUNB.