
Product Name: KD-Validated NELFB Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01355**

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: 65.7kDa

Antigen Information

Gene Name	NELFB
Alternative Names	NELFB; Negative Elongation Factor Complex Member B; NELF-B; Cofactor Of BRCA1; KIAA1182; COBRA1; Negative Elongation Factor B; Negative Elongation Factor Protein B
Gene ID	25920.0
SwissProt ID	Q8WX92
Immunogen	A synthesized peptide derived from human NELFB

Background

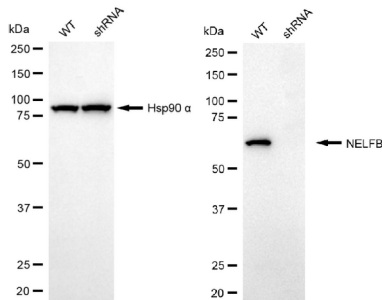
NELFB is a subunit of negative elongation factor (NELF), which also includes NELFA (WHSC2; MIM 606026), either NELFC or NELFD (TH1L; MIM 605297), and NELFE (RDBP; MIM 154040). NELF acts with DRB sensitivity-inducing factor (DSIF), a heterodimer of SPT4 (SUPT4H1; MIM 603555) and SPT5 (SUPT5H; MIM 602102), to cause transcriptional pausing of RNA

polymerase II (see MIM 180660) (Narita et al., 2003 [PubMed 12612062]).[supplied by OMIM, Mar 2008]

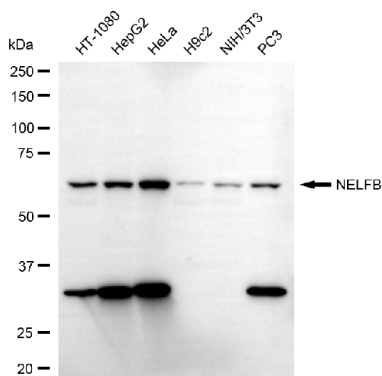
Research Area

Epigenetics and Nuclear Signaling

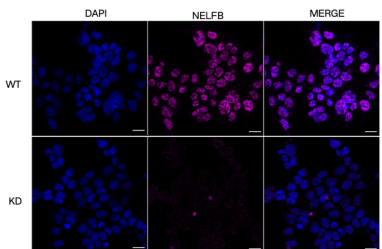
Image Data



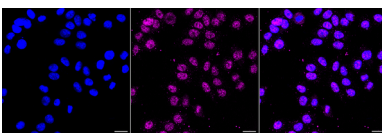
Western blotting analysis using NELFB antibody (KVA01355). NELFB expression in wild-type (WT) and NELFB shRNA knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NELFB antibody (KVA01355, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



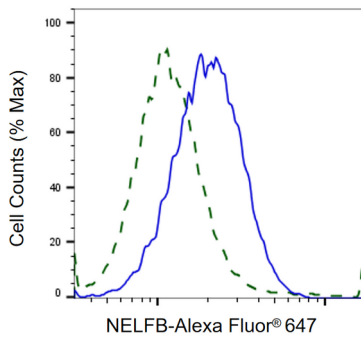
Western blotting analysis using NELFB antibody (KVA01355). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NELFB antibody (KVA01355, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP1 cells using NELFB antibody (KVA01355, 1:1,000), Top panel: wild-type (WT); Bottom panel: NELFB shRNA knockdown (KD). Nuclei were stained blue with DAPI; NELFB was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.



Immunocytochemical staining of HepG2 cells with NELFB antibody (KVA01355, 1:1,000). Nuclei were stained blue with DAPI; NELFB 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 μ m.



Validation of NELFB knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HSHC cells were stained with NELFB antibody (KVA01355, 1:2,000) and analyzed using BD flow cytometer.