

NELFe Rabbit pAb

Catalog # AP53645

Product Information

Primary Accession	P18615
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	43240

Additional Information

Gene ID	7936
Other Names	RD; RDP; RDBP; D6S45; NELF-E
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

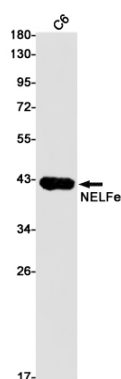
Name	NELFE
Synonyms	RD {ECO:0000303 PubMed:14701750}, RDBP
Function	Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II (PubMed: 10199401 , PubMed: 27256882). The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex (PubMed: 11940650 , PubMed: 12612062 , PubMed: 27256882). Provides the strongest RNA binding activity of the NELF complex and may initially recruit the NELF complex to RNA (PubMed: 18303858 , PubMed: 27256882 , PubMed: 27282391).
Cellular Location	Nucleus. Chromosome. Note=Localizes to chromatin (PubMed:14701750). Phosphorylation by the P-TEFb complex promotes its release from chromatin (PubMed:14701750)
Tissue Location	Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas

Background

Swiss-Prot Acc.P18615.Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II. The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex. The NELF complex is involved in HIV-1 latency possibly involving recruitment of PCF11 to paused RNA polymerase II.

Provides the strongest RNA binding activity of the NELF complex and may initially recruit the NELF complex to RNA. Binds to the HIV-1 TAR RNA which is located in the long terminal repeat (LTR) of HIV-1.

Images



Western blot detection of NELFε in C6 cell lysates using NELFε Rabbit pAb(1:1000 diluted). Predicted band size: 43kDa. Observed band size: 43kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.