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NELFE Rabbit mAb

Catalog # AP75795

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P18615
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	43240

Additional Information

Gene ID	7936
Other Names	NELFE
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:200-1:500 IP~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

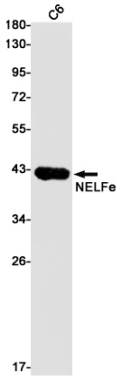
Name	NELFE
Synonyms	RD {ECO:0000303|PubMed:14701750}, RDBP
Function	Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II (PubMed:10199401, PubMed:27256882). The NELF complex, which acts via an association with the DSIF complex 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

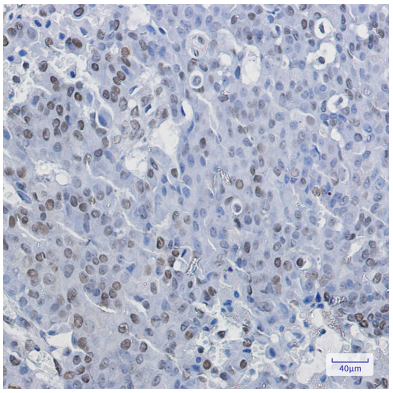
Background

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.

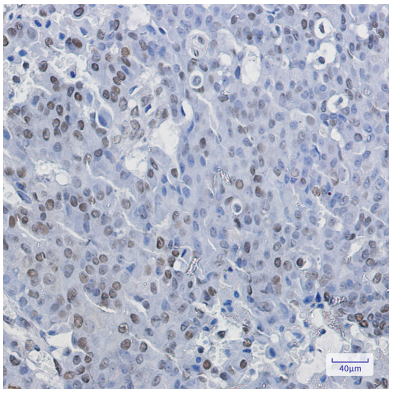
Images

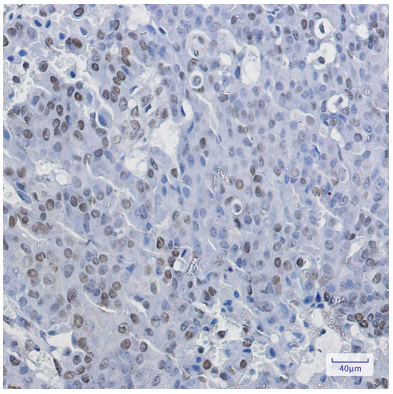


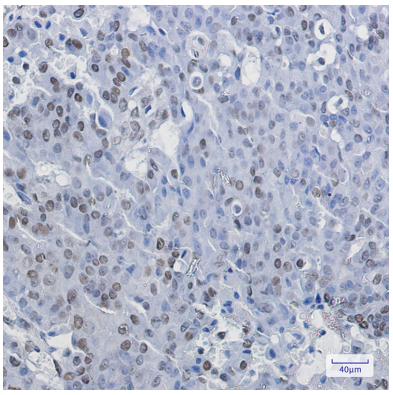
Western blot analysis of NELFe in C6 lysates using NELFE antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using NELFe antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.







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