

Anti-NELFA Antibody

Catalog # AP95976

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q9H3P2
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	57277

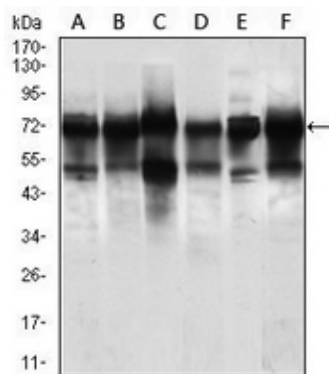
Additional Information

Gene ID	7469
Other Names	WHSC2; Negative elongation factor A; NELF-A; Wolf-Hirschhorn syndrome candidate 2 protein
Target/Specificity	Recombinant fusion protein of human NELFA expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

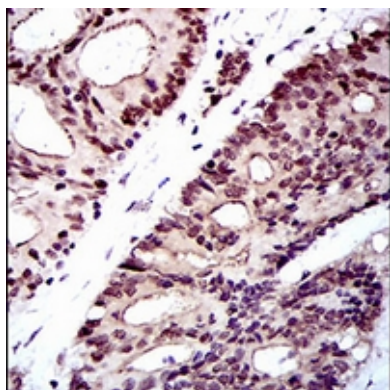
Protein Information

Name	NELFA
Synonyms	WHSC2
Function	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.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous. Expressed in heart, brain, placenta, liver, skeletal muscle, kidney and pancreas. Expressed at lower level in adult lung. Expressed in fetal brain, lung, liver and kidney

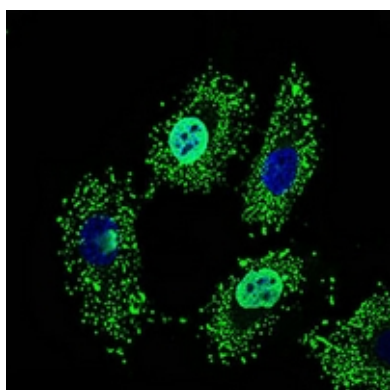
Images



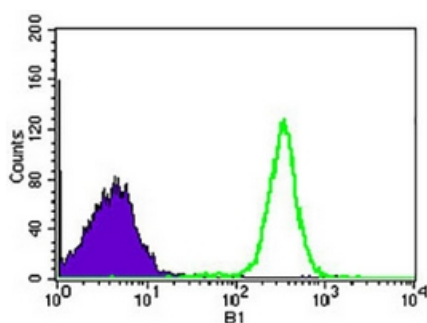
Western blot analysis of NELFA expression in Jurkat (A), Hela (B), HEK293 (C), rat brain (D), A549 (E), SPCA1 (F) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 70 kD)



Immunohistochemical analysis of NELFA staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NELFA staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HEK293 cells using Anti-NELFA Antibody (green) and negative control (red).

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