

Rabbit anti-Human NELFA Polyclonal Antibody | anti-NELFA antibody

Anti-NELFA Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127422	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

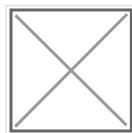
PRODUCT SYNONYMS

NELFA; Polyclonal Antibody; Anti-NELFA Antibody Picoband; anti-NELFA antibody

PRODUCT SPECIFICATIONS

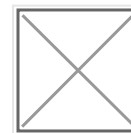
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NELFA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NELFA recombinant protein (Position: I38-L482). Human NELFA shares 94.6% amino acid (aa) sequence identity with mouse NELFA.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of JK cells using anti-NELFA antibody (AAA127422).Overlay histogram showing JK cells stained with AAA127422 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NELFA Antibody (AAA127422, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of NELFA using anti-NELFA antibody (AAA127422).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human K562 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NELFA antigen affinity purified polyclonal antibody (#AAA127422) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NELFA at approximately 57 kDa. The expected band size for NELFA is at 57 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NELFA antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
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Product Categories/Family for anti-NELFA antibody	Primary Antibodies
References	1. Narita, T., Yamaguchi, Y., Yano, K., Sugimoto, S., Chanarat, S., Wada, T., Kim, D., Hasegawa, J., Omori, M., Inukai, N., Endoh, M., Yamada, T., Handa, H. Human transcription elongation factor NELF: identification of novel subunits and reconstitution of the functionally active complex. Molec. Cell. Biol. 23: 1863-1873, 2003. 2. Narita, T., Yung, T. M. C., Yamamoto, J., Tsuboi, Y., Tanabe, H., Tanaka, K., Yamaguchi, Y., Handa, H. NELF interacts with CBC and participates in 3-prime end processing of replication-dependent histone mRNAs. Molec. Cell 26: 349-365, 2007. 3. Wright, T. J., Costa, J. L., Naranjo, C., Francis-West, P., Altherr, M. R. Comparative analysis of a novel gene from the Wolf-Hirschhorn/Pitt-Rogers-Danks syndrome critical region. Genomics 59: 203-212, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	212276499
NCBI GeneID	7469
UniProt Accession #	Q9H3P2 ; O95392 ; A2A2T1
Molecular Weight	528
NCBI Official Full Name	Negative elongation factor A
NCBI Official Synonym Full Names	negative elongation factor complex member A
NCBI Official Symbol	NELFA
NCBI Official Synonym Symbols	WHSC2; NELF-A; P/OKcl.15
NCBI Protein Information	negative elongation factor A; wolf-Hirschhorn syndrome candidate 2 protein
UniProt Protein Name	Negative elongation factor A
UniProt Gene Name	NELFA
UniProt Synonym Gene Names	WHSC2; NELF-A
UniProt Entry Name	NELFA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nelfa-antibody-flow-cytometry-western-blot-elisa/127422>