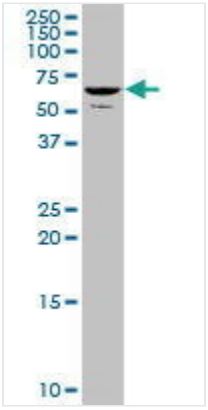
NELFCD Antibody – Mouse Polyclonal

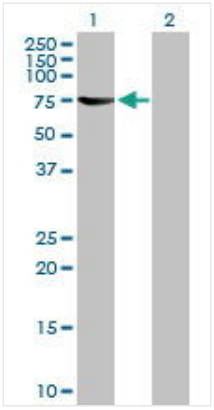
PRODUCT OVERVIEW

Product Name	NELFCD, Polyclonal Antibody
Full Product Name	NELFCD (Negative Elongation Factor C/D, NELF-C/D, NELF-C, NELFD, NELF-D, HSPC130, TH1-like Protein, TH1, TH1L)
Product Gene Name	anti-NELFCD antibody
Product Synonym Names	Anti -NELFCD (Negative Elongation Factor C/D, NELF-C/D, NELF-C, NELFD, NELF-D, HSPC130, TH1-like Protein, TH1, TH1L)
Immunogen Sequence	MAGAVPGAIM DEDYYGSAAE WGDEADGGQQ EDDSGEGEDD AEVQQECLHK FSTRDYIMEP SIFNTLKRYF QAGGSPENVI QLLSENYTAV AQTVNLLAEW LIQTGVEPVQ VQETVENHLK SLLIKHFDPR KADSIFTEEG ETPAWLEQMI AHTTWRDLFY KLAEAHPDCL MLNFTVKLIS DAGYQGEITS VSTACQQLEV FSRVLRTSLA TILDGGEENL EKNLPEFAKM VCHGEHTYLF AQAMMSVLAQ EEQGGSAVRR IAQEVQRFAQ EKGHDASQIT LALGTAASYP RACQALGAML SKGALNPADI TVLFKMFTSM DPPPVELIRV PAFLDLFMQS LFKPGARINQ DHKHKYIHIL AYAASVVETW KKNKRVSINK DELKSTSKAV ETVHNLCCNE NKGASELVAE LSTLYQCIRF PVVAMGVLKW VDWTVSEPRY FQLQTDHTPV HLALLDEIST CHQLLHPQVL QLLVKLFETE HSQLDVMEQL ELKKTLLDRM VHLLSRGYVL PVVSYIRKCL EKLDTDISLI RYFVTEVLDV IAPPYTSDFV QLFLPILEND SIAGTIKTEG EHDPVTEFIA HCKSNFIMVN
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human TH1L.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	66,247 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (57556263..57570400). Location: 20q13
OMIM	605297
3D Structure	ModBase 3D Structure for Q8IXH7
Immunogen	Full length human TH1L, aa1-590 (NP_945327.1).
Product Categories/Family for anti-NELFCD antibody	Antibodies; Abs to Transcription Factors
Applications Tested/Suitable for anti-NELFCD antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-NELFCD antibody	Suitable for use in Immunofluorescence, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml

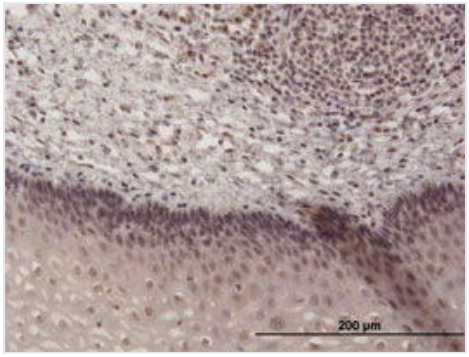
Related Product Information for anti-NELFCD antibody	MBS648221 is an antibody targeting NELFCD. Also known as NELFCD (Negative Elongation Factor C/D, NELF-C/D, NELF-C, NELFD, NELF-D, HSPC130, TH1-like Protein, TH1, TH1L). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-NELFCD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



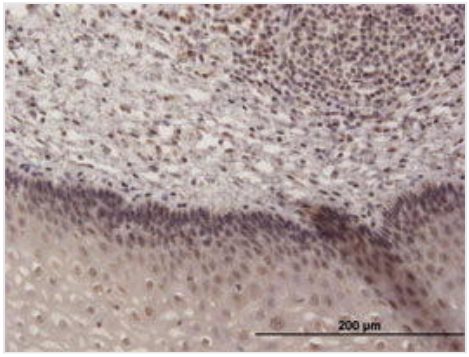
Western Blot (WB) of anti-NELFCD antibody
TH1L polyclonal antibody. Western Blot analysis of TH1L expression in Jurkat.



Western Blot (WB) of anti-NELFCD antibody
Western Blot analysis of TH1L expression in transfected 293T cell line by TH1L polyclonal antibody. Lane 1: TH1L transfected lysate (64.9kD). Lane 2: Non-transfected lysate.



Immunohistochemistry (IHC) of anti-NELFCD antibody
Immunoperoxidase of purified antibody to TH1L on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3ug/ml].



Immunofluorescence (IF) of anti-NELFCD antibody
Immunofluorescence of purified antibody to TH1L on HeLa cell. [antibody concentration 10ug/ml].

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NELFCD. It may not necessarily be applicable to this product.

NCBI GI #	399788586
NCBI GeneID	51497
NCBI Accession #	NP_945327.2
UniProt Primary Accession #	Q8IXH7
UniProt Secondary Accession #	Q9BYL2; Q9H405; Q9H888; Q9H8T3; Q9NVX5; Q9P029; Q9UGN1; Q9UGN2; Q9UGN3; B4DE06
UniProt Related Accession #	Q8IXH7
GenBank Nucleotide #	NM_198976.2
NCBI Official Full Name	negative elongation factor C/D
NCBI Official Synonym Full Names	negative elongation factor complex member C/D
NCBI Official Symbol	NELFCD
NCBI Official Synonym Symbols	TH1; TH1L; NELF-C; NELF-D; HSPC130

UniProt Protein Name	Negative elongation factor C/D
UniProt Synonym Protein Names	TH1-like protein
Protein Family	Negative elongation factor
UniProt Gene Name	NELFCD
UniProt Synonym Gene Names	NELFD; TH1; TH1L; NELF-C/D
UniProt Entry Name	NELFD_HUMAN
NCBI Protein Information	negative elongation factor C/D; NELF-C/D; TH1-like protein; trihydrophobin 1; TH1 drosophila homolog; negative elongation factor proteins C and D
NCBI Summary for NELFCD	The NELF complex of proteins interacts with the DSIF protein complex to repress transcriptional elongation by RNA polymerase II. The protein encoded by this gene is an essential part of the NELF complex. Alternative translation initiation site usage results in the formation of two isoforms with different N-termini. [provided by RefSeq, Jul 2008]
UniProt Comments for NELFCD	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. Ref.6 Ref.8 Subunit structure: The NELF complex is composed of NELFA, NELFB, NELFCD (isoform NELF-C or isoform NELF-D) and NELFE. Interacts with ARAF1. Ref.6 Ref.7 Subcellular location: Nucleus Probable. Tissue specificity: Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal and cardiac muscle, adrenal, thyroid, kidney and pancreas. Ref.1 Ref.6 Sequence similarities: Belongs to the NELF-D family. Sequence caution: The sequence AAF29094.1 differs from that shown. Reason: Frameshift at positions 462 and 464. The sequence BAA91618.1 differs from that shown. Reason: Erroneous initiation. The sequence BAB14519.1 differs from that shown. Reason: Erroneous initiation. The sequence CAB64339.1 differs from that shown. Reason: Erroneous initiation.
Research Articles on NELFCD	**1.** data show that NELF subunits exhibit highly specific subcellular localizations, such as in NELF bodies or in midbodies, and some shuttle actively between the nucleus and cytoplasm; loss of NELF from cells can lead to enlarged and/or multiple nuclei
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