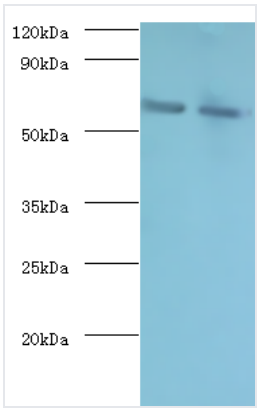
Negative Elongation Factor B (NELFB) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Negative elongation factor B (NELFB), Polyclonal Antibody
Full Product Name	Rabbit anti-human Negative elongation factor B polyclonal Antibody, HRP conjugated
Product Gene Name	anti-NELFB antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: Negative elongation factor B (MBS715873) HRP Conjugated Antibody: Negative elongation factor B (MBS715848)
Molecular Weight	65,697 Da
OMIM	611180
3D Structure	ModBase 3D Structure for Q8WX92
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	HRP
Immunogen	Recombinant human Negative elongation factor B protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79991 / sc-79992
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NELFB antibody	ELISA (EIA)
Related Product Information for anti-NELFB antibody	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. May be able to induce chromatin unfolding.
Other Notes	Small volumes of anti-NELFB 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.
Searchable Terms for NELFB purchase	MBS715848 is an antibody targeting NELFB. Also known as Rabbit anti-human Negative elongation factor B polyclonal Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NELFB antibody
Western blot All lanes: Negative elongation factor B antibody at 2 ug/ml Lane 1: EC109whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to Rabbit IgG at 1/15000 dilution Predicted band size: 64 kDa Observed band size: 64 kDa

ADDITIONAL DETAILS

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

NCBI GI #	862669351
NCBI GeneID	25920
NCBI Accession #	NP_056271.3
UniProt Primary Accession #	Q8WX92
UniProt Secondary Accession #	Q96EW5; Q9H9R4; Q9ULN8; Q9Y3W0; A2BFA3
UniProt Related Accession #	Q8WX92
GenBank Nucleotide #	NM_015456.4
NCBI Official Full Name	negative elongation factor B
NCBI Official Synonym Full Names	negative elongation factor complex member B
NCBI Official Symbol	NELFB
NCBI Official Synonym Symbols	COBRA1; NELF-B
UniProt Protein Name	Negative elongation factor B
UniProt Synonym Protein Names	Cofactor of BRCA1
Protein Family	Negative elongation factor
UniProt Gene Name	NELFB
UniProt Synonym Gene Names	COBRA1; KIAA1182; NELF-B
UniProt Entry Name	NELFB_HUMAN
NCBI Protein Information	negative elongation factor B
NCBI Summary for NELFB	NELFB is a subunit of negative elongation factor (NELF), which also includes NELFA (WHSC2; MIM 606026), either NELFC or NELFD (TH1L; MIM 605297), and NELFE (RDBP; MIM 154040). NELF acts with DRB sensitivity-inducing factor (DSIF), a heterodimer of SPT4 (SUPT4H1; MIM 603555) and SPT5 (SUPT5H; MIM 602102), to cause transcriptional pausing of RNA polymerase II (see MIM 180660) (Narita et al., 2003 [PubMed 12612062]).[supplied by OMIM, Mar 2008]

UniProt Comments for NELFB	COBRA1: a subunit of the multisubunit transcription elongation factor NELF (negative elongation factor). May be involved in transcriptional pausing of RNA polymerase II (RNAPII). Interacts with the first BRCT repeat of BRCA1. Protein type: Transcription, coactivator/corepressor; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 9q34 Cellular Component: cytoplasm; nucleoplasm Molecular Function: protein binding Biological Process: gene expression; positive regulation of viral transcription; RNA elongation from RNA polymerase II promoter; transcription from RNA polymerase II promoter; viral reproduction
Research Articles on NELFB	**1.** These studies allow us to position the actions of two new modulators of GR-regulated transactivation, NELF-A and NELF-B, relative to other factors in the overall gene induction sequence.
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