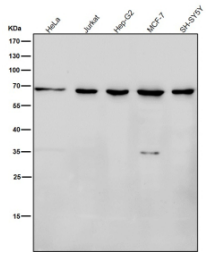
NELFB Antibody / Negative elongation factor B / COBRA1 [clone 32C80] (FY12017)

Catalog No.	Formulation	Size
FY12017	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.	100 ul

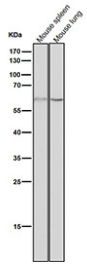
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	32C80
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q8WX92
Applications	Western blot: 1:500-1:2000 Immunohistochemistry: 1:50-1:200 Immunocytochemistry/Immunofluorescence: 1:50-1:200
Limitations	This NELFB antibody is available for research use only.



All lanes use the antibody at 1:3K dilution for 1 hour at room temperature. Predicted molecular weight ~66 kDa.



All lanes use the antibody at 1:3K dilution for 1 hour at room temperature. Predicted molecular weight ~66 kDa.

Description

NELFB antibody targets negative elongation factor B, also known as COBRA1, a transcriptional regulator involved in RNA polymerase II pausing. NELFB functions as part of the NELF complex, which includes NELFA, NELFC/D, and NELFE subunits. This complex stabilizes paused RNA polymerase II at promoter-proximal regions, ensuring proper regulation of transcriptional elongation. By fine-tuning transcription, NELFB contributes to developmental programs and cellular stress responses.

Studies with NELFB antibody have implicated the protein in cancer biology and hormone signaling. COBRA1 was first identified as a BRCA1-associated factor, and disruption of NELFB function has been linked to breast cancer progression and altered estrogen receptor activity. Beyond cancer, NELFB also regulates genes involved in embryonic development and immune responses, making it a versatile factor for gene expression studies.

Validated antibody clones for NELFB detection work in assays such as western blot, chromatin immunoprecipitation, and immunohistochemistry. These reagents enable researchers to study promoter-proximal pausing, transcriptional control, and protein-protein interactions within the NELF complex. Clone validation ensures specificity for NELFB rather than closely related transcriptional regulators.

NSJ Bioreagents supplies this NELFB antibody for studies in transcription regulation, cancer pathways, and developmental biology. Alternate names include negative elongation factor B antibody, COBRA1 antibody, and cofactor of BRCA1 antibody.

Application Notes

Optimal dilution of the NELFB antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human NELFB was used as the immunogen for the NELFB antibody.

Storage

Store the NELFB antibody at -20oC.

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