

Recombinant NELF-B Monoclonal Antibody

catalog number: **AN302066L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

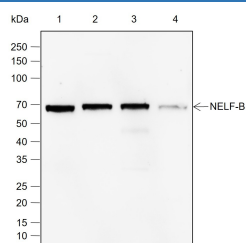
Reactivity	Human;Mouse
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	IgG, κ
Clone	C221687
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:10000-1:20000
IHC	1:100
FCM	1:100
IP	1:50-1:100

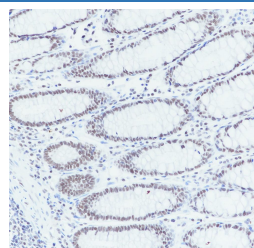
Data



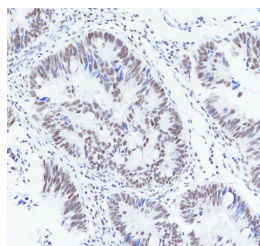
Western Blot with NELF-B Monoclonal Antibody at dilution of 1:20000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: T47D, Lane 4: NIH-3T3

Observed-MW:70 kDa

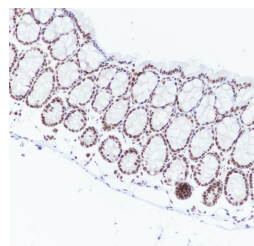
Calculated-MW:66 kDa



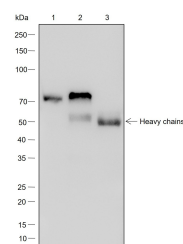
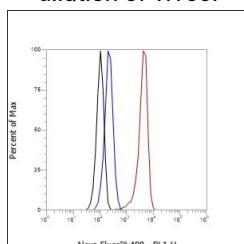
Immunohistochemistry of paraffin-embedded Human colon using NELF-B Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human colon cancer using NELF-B Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse colon using NELF-B Monoclonal Antibody at dilution of 1:100.



For Research Use Only

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Rev. V1.2

Flow cytometric analysis of human NELF-B expression on HeLa cells. Cells were stained with purified anti-Human NELF-B, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Immunoprecipitation analysis using anti-NELF-B Monoclonal Antibody. Western blot was performed from the immunoprecipitate using NELF-B Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: NELF-B Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:70 kDa

Calculated-MW:66 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping Ice bag

Background

NELF-B is an essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNAPolymerase II. The NELF complex causes transcriptional pausing and is counteracted by the P-TEFb kinase complex. It may be able to induce chromatin unfolding. NELF-B is a modulator of ligand dependent and independent expression of estrogen receptor-α target genes. NELF-B expression is reduced in metastatic and recurrent breast cancer, suggesting that low levels of NELF-B in breast cancers may serve as an indicator for poor prognosis.

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