

## Recombinant NELF-B Monoclonal Antibody

catalog number: **AN302066L**

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

### Description

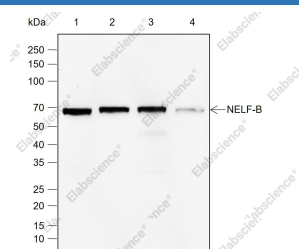
|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse                                                     |
| <b>Immunogen</b>    | Peptide.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

### Applications

### Recommended Dilution

|            |                 |
|------------|-----------------|
| <b>WB</b>  | 1:10000-1:20000 |
| <b>IHC</b> | 1:100           |
| <b>FCM</b> | 1:100           |
| <b>IP</b>  | 1:50-1:100      |

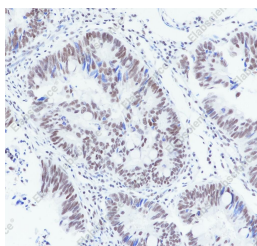
### Data



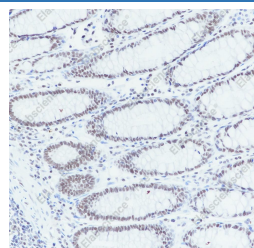
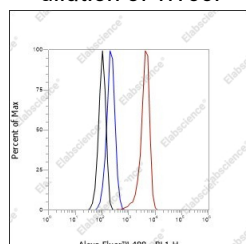
Western Blot with NELF-B Monoclonal Antibody at dilution of 1:20000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: T47D, Lane 4: NIH-3T3

**Observed-MW:70 kDa**

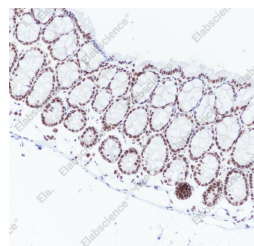
**Calculated-MW:66 kDa**



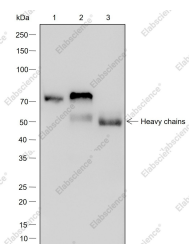
Immunohistochemistry of paraffin-embedded Human colon cancer using NELF-B Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human colon 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. V1.3

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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