

### **Anti-NELFB Rabbit Monoclonal Antibody**

**Catalog # ABO16809** 

# **Specification**

# **Anti-NELFB Rabbit Monoclonal Antibody - Product Information**

Application
Primary Accession
Host
Rabbit
Isotype
Reactivity
Clonality
Format
WB, IHC
08WX92
Rabbit
Rabbit
Rabbit
Human
Monoclonal
Liquid

**Description** 

Anti-NELFB Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

## **Anti-NELFB Rabbit Monoclonal Antibody - Additional Information**

Gene ID 25920

### **Other Names**

Negative elongation factor B, NELF-B, Cofactor of BRCA1, NELFB, COBRA1 {ECO:0000303|PubMed:11739404}, KIAA1182

### **Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200</br>

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human NELFB

# **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## **Anti-NELFB Rabbit Monoclonal Antibody - Protein Information**

## **Name NELFB**

**Synonyms** COBRA1 {ECO:0000303|PubMed:11739404}, KI



#### **Function**

Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II (PubMed:<a href="http://www.uniprot.org/citations/12612062" target="\_blank">12612062</a>). The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex (PubMed:<a href="http://www.uniprot.org/citations/10199401" target="\_blank">10199401</a>). May be able to induce chromatin unfolding (PubMed:<a

href="http://www.uniprot.org/citations/11739404" target="\_blank">11739404</a>). Essential for early embryogenesis; plays an important role in maintaining the undifferentiated state of embryonic stem cells (ESCs) by preventing unscheduled expression of developmental genes (By similarity). Plays a key role in establishing the responsiveness of stem cells to developmental cues; facilitates plasticity and cell fate commitment in ESCs by establishing the appropriate expression level of signaling molecules (By similarity). Supports the transcription of genes involved in energy metabolism in cardiomyocytes; facilitates the association of transcription initiation factors with the promoters of the metabolism- related genes (By similarity).

#### **Cellular Location**

Nucleus.

#### **Tissue Location**

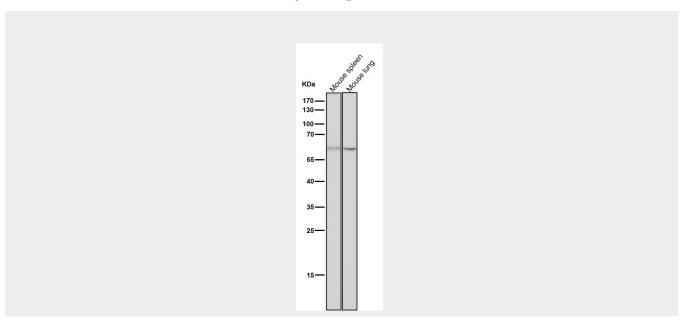
Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas

#### **Anti-NELFB Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

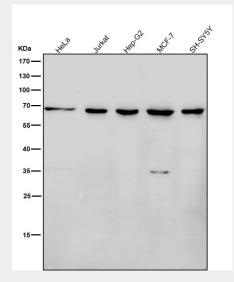
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **Anti-NELFB Rabbit Monoclonal Antibody - Images**





All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.