

Anti-NELFB Rabbit Monoclonal Antibody

Catalog # ABO16809

Product Information

Application	WB, IHC
Primary Accession	Q8WX92
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-NELFB Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	25920
Other Names	Negative elongation factor B, NELF-B, Cofactor of BRCA1, NELFB, COBRA1 {ECO:0000303 PubMed:11739404}, KIAA1182
Calculated MW	70057
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
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.
Clone Names	Clone: 32C80
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.

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:[12612062](#)). 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:[10199401](#)). May be able to induce chromatin unfolding (PubMed:[11739404](#)). 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).

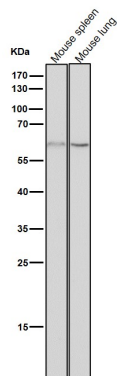
Cellular Location

Nucleus.

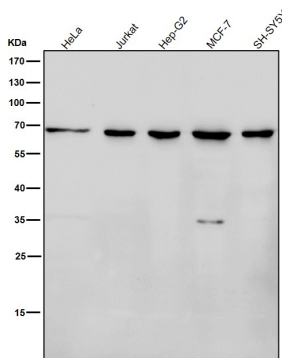
Tissue Location

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

Images



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



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.