

Anti-NELFE Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

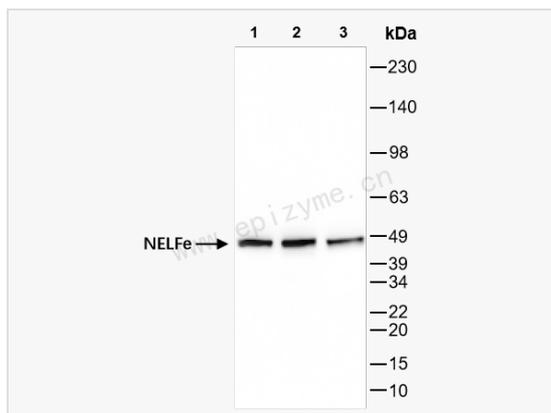
Catalog # R012950

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	35K16M06
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human NELFE
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NELFE Rabbit mAb [35K16M06] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Major histocompatibility complex gene RD; Negative elongation factor E; Negative elongation factor polypeptide E; NELF e; NELF-E; Nelfe; NELFE_HUMAN; Nuclear protein; RD; RD protein; RD RNA binding protein; RDP; RNA-binding protein RD.
Calculated MW	Calculated MW: 43 kDa; Observed MW: 43 kDa
Uniprot ID	P18615
Gene ID	7936
Background	The protein encoded by this gene is part of a complex termed negative elongation factor (NELF) which represses RNA polymerase II transcript elongation. This protein bears similarity to nuclear RNA-binding proteins; however, it has not been demonstrated that this protein binds RNA. The protein contains a tract of alternating basic and acidic residues, largely arginine (R) and aspartic acid (D). The gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus.
Tissue Location	Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas.



Western Blot - Anti-NELFE Rabbit mAb [35K16M06]

All lanes: R012950 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

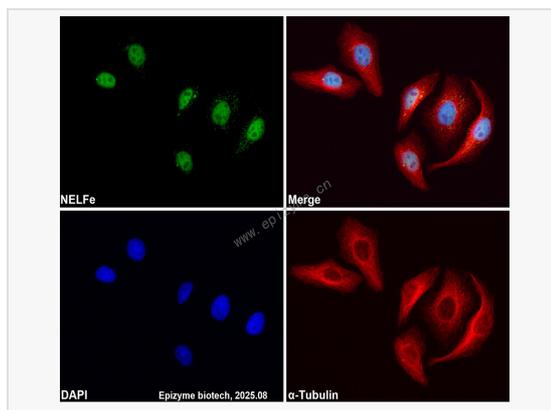
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-NELFE Rabbit mAb [35K16M06]

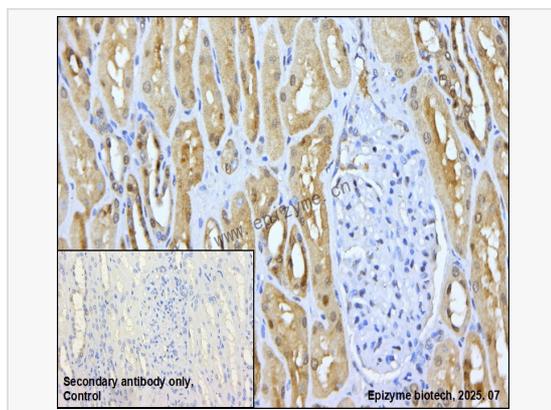
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R012950 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-NELFE Rabbit mAb [35K16M06]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012950 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.