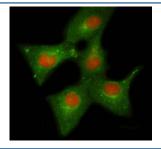


# **NELFE Antibody / Negative elongation factor E / RD (RQ8172)**

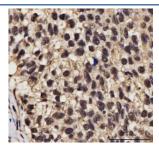
Catalog No.	Formulation	Size
RQ8172	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

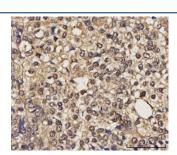
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P18615
Localization	Nuclear
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow Cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NELFE antibody is available for research use only.



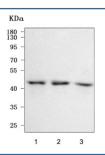
Immunofluorescent staining of FFPE human A549 cells with NELFE antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



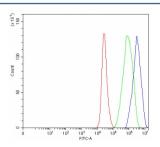
IHC staining of FFPE human lung squamous cell carcinoma tissue with NELFE antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian cancer tissue with NELFE antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T, 2) HeLa and 3) U-2 OS cell lysate with NELFE antibody. Predicted molecular weight ~43 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with NELFE antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NELFE antibody.

### Description

Negative elongation factor E (NELFE), also called RNA-binding protein RD, 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.

#### **Application Notes**

Optimal dilution of the NELFE antibody should be determined by the researcher.

#### **Immunogen**

E. coli-derived recombinant human protein (amino acids N262-D378) was used as the immunogen for the NELFE antibody.

#### **Storage**

After reconstitution, the NELFE antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

20oC. Avoid repeated freezing and thawing.							