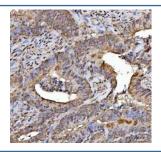


# **NELF Antibody / NSMF (RQ8374)**

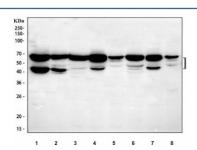
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ8374      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

# **Bulk quote request**

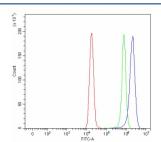
| Availability       | 1-3 business days   |
|--------------------|---|
| Species Reactivity | Human, Mouse, Rat   |
| Format             | Antigen affinity purified   |
| Clonality          | Polyclonal (rabbit origin)  |
| Isotype            | Rabbit IgG  |
| Purity             | Antigen affinity purified   |
| Buffer             | Lyophilized from 1X PBS with 2% Trehalose   |
| UniProt            | Q6X4W1  |
| Applications       | Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations        | This NELF antibody is available for research use only.  |



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



Western blot testing of 1) human HepG2, 2) human HaCaT, 3) rat liver, 4) rat RH35, 5) rat C6, 6) mouse liver, 7) mouse HEPA1/6 and 8) mouse NIH 3T3 cell lysate with NELF antibody. Predicted molecular weight ~44 kDa and 57-60 kDa (multiple isoforms).



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

### **Description**

NMDA receptor synaptonuclear signaling and neuronal migration factor (NSMF), also called Nasal embryonic LHRH factor (NELF), is involved in guidance of olfactory axon projections and migration of luteinizing hormone-releasing hormone neurons. Defects in this gene are a cause of idiopathic hypogonadotropic hypogonadism (IHH). Several transcript variants encoding different isoforms have been found for this gene.

#### **Application Notes**

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

## **Immunogen**

An E.coli-derived human recombinant protein (E14-D527) was used as the immunogen for the NELF antibody.

#### **Storage**

After reconstitution, the NELF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.