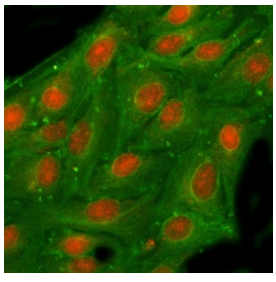
# NSFL1C Antibody / NSFL1 cofactor p47 (RQ8636)

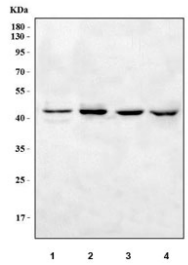
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8636 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

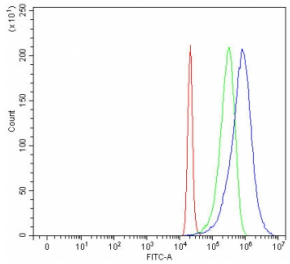
| | |
|---|---|
| **Availability** | 1-3 days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Predicted Reactivity** | Mouse |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9UNZ2 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunofluorescence: 5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>ELISA: 0.1-0.5ug/ml |
| **Limitations** | This NSFL1C antibody is available for research use only. |



Immunofluorescent staining of FFPE human A549 cells with NSFL1C antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of 1) human Jurkat, 2) human PC-3, 3) rat RH35 and 4) mouse NIH 3T3 cell lysate with NSFL1C antibody. Predicted molecular weight ~41 kDa.




Flow cytometry testing of fixed and permeabilized human 293T cells with NSFL1C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NSFL1C antibody.

## Description

NSFL1 cofactor p47 is a protein that in humans is encoded by the NSFL1C gene. N-ethylmaleimide-sensitive factor (NSF) and valosin-containing protein (p97) are two ATPases known to be involved in transport vesicle/target membrane fusion and fusions between membrane compartments. A trimer of the protein encoded by this gene binds a hexamer of cytosolic p97 and is required for p97-mediated regrowth of Golgi cisternae from mitotic Golgi fragments. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8.

## Application Notes

Optimal dilution of the NSFL1C antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids E20-E291) was used as the immunogen for the NSFL1C antibody.

## Storage

After reconstitution, the NSFL1C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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