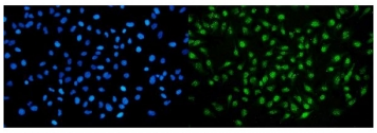
NIRF Antibody / HRF2 [clone 6B5] (RQ6582)

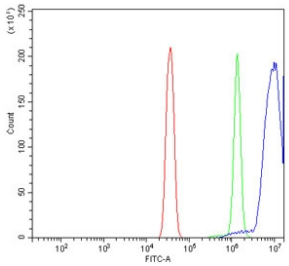
Catalog No.	Formulation	Size
RQ6582	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

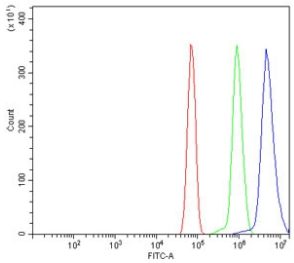
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6B5
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96PU4
Localization	Cytoplasmic, nuclear
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This NIRF antibody is available for research use only.



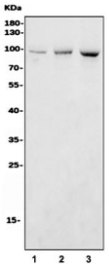
Immunofluorescent staining of FFPE human HeLa cells with NIRF antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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



Flow cytometry testing of rat RH35 cells with NIRF antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NIRF antibody.



Western blot testing of human 1) HepG2, 2) HT1080 and 3) Jurkat cell lysate with NIRF antibody. Expected molecular weight ~90 kDa.

Description

E3 ubiquitin-protein ligase UHRF2 is an enzyme that in humans is encoded by the UHRF2 gene. This gene encodes a nuclear protein which is involved in cell-cycle regulation. The encoded protein is a ubiquitin-ligase capable of ubiquinating PCNP (PEST-containing nuclear protein), and together they may play a role in tumorigenesis. The encoded protein contains an NIRF_N domain, a PHD finger, a set- and ring-associated (SRA) domain, and a RING finger domain and several of these domains have been shown to be essential for the regulation of cell proliferation. This protein may also have a role in intranuclear degradation of polyglutamine aggregates. Alternative splicing results in multiple transcript variants some of which are non-protein coding.

Application Notes

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

Immunogen

N-terminal region amino acids TIEDVSRKATIEELRERVWALFDVRPECQRLFYRGKQLEN from the human protein were used as the immunogen for the NIRF antibody.

Storage

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

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