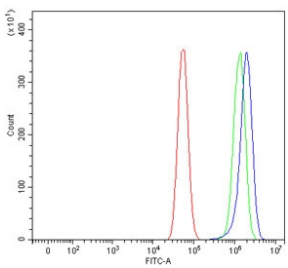
NDUFA8 Antibody (RQ8150)

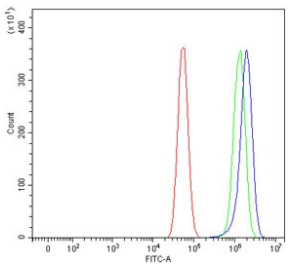
Catalog No.	Formulation	Size
RQ8150	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

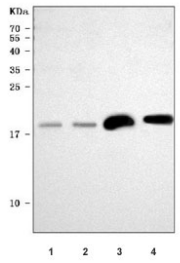
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51970
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NDUFA8 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human U-87 MG cells with NDUFA8 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDUFA8 antibody.



Flow cytometry testing of fixed and permeabilized human 293T cells with NDUFA8 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDUFA8 antibody.



Western blot testing of 1) human HepG2, 2) human 293T, 3) rat heart and 4) mouse heart tissue lysate with NDUFA8 antibody. Predicted molecular weight ~20 kDa.

Description

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8 is an enzyme that in humans is encoded by the NDUFA8 gene. The protein encoded by this gene belongs to the complex I 19 kDa subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the NDUFA8 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-K172) was used as the immunogen for the NDUFA8 antibody.

Storage

After reconstitution, the NDUFA8 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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