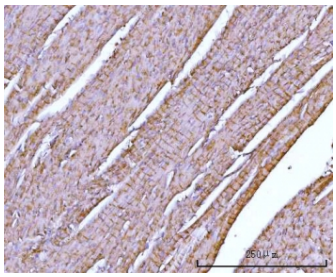
NDUFA7 Antibody (RQ8053)

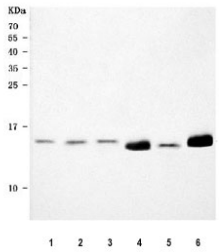
Catalog No.	Formulation	Size
RQ8053	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

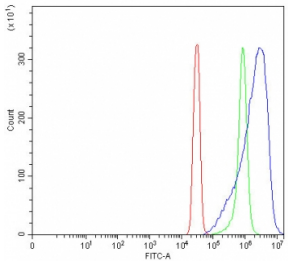
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O95182
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NDUFA7 antibody is available for research use only.



IHC staining of FFPE rat cardiac muscle tissue with NDUFA7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human 293T, 2) human PC-3), 3) human HepG2, 4) rat heart, 5) rat kidney and 6) mouse heart tissue lysate with NDUFA7 antibody. Predicted molecular weight ~13 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with NDUFA7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDUFA7 antibody.

Description

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7 is an enzyme that in humans is encoded by the NDUFA7 gene. This gene encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain.

Application Notes

Optimal dilution of the NDUFA7 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-L113) was used as the immunogen for the NDUFA7 antibody.

Storage

After reconstitution, the NDUFA7 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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