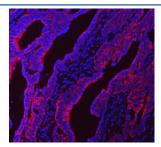


NDUFS5 Antibody (RQ7342)

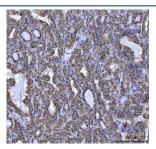
Catalog No.	Formulation	Size
RQ7342	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

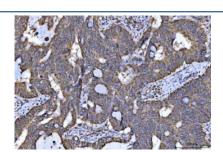
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43920
Localization	Cytoplasmic (mitochondria)
Applications	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 NDUFS5 antibody is available for research use only.



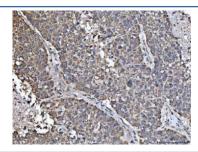
Immunofluorescent staining of FFPE human colorectal adenocarcinoma tissue with NDUFS5 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



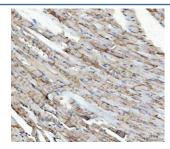
IHC staining of FFPE human thyroid cancer tissue with NDUFS5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



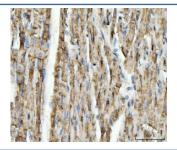
IHC staining of FFPE human colorectal adenocarcinoma tissue with NDUFS5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



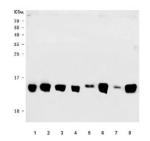
IHC staining of FFPE human liver cancer tissue with NDUFS5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



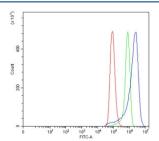
IHC staining of FFPE mouse heart tissue with NDUFS5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat heart tissue with NDUFS5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human K562, 2) human HepG2, 3) human RT4, 4) human HeLa, 5) rat liver, 6) rat heart, 7) mouse liver and 8) mouse heart tissue lysate with NDUFS5 antibody. Expected molecular weight: 13-15 kDa.



Flow cytometry testing of human HeLa cells with NDUFS5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDUFS5 antibody.

Description

NADH dehydrogenase [ubiquinone] iron-sulfur protein 5 is an enzyme that in humans is encoded by the NDUFS5 gene. This gene is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript variants and pseudogenes have been identified on chromosomes 1, 4 and 17.

Application Notes

Optimal dilution of the NDUFS5 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-P106) was used as the immunogen for the NDUFS5 antibody.

Storage

After reconstitution, the NDUFS5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.