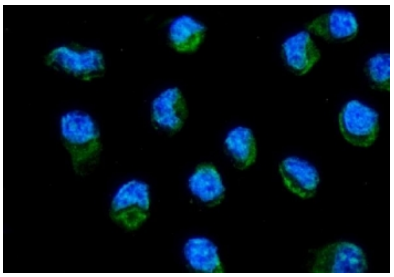
MT-ND6 Antibody / NADH dehydrogenase subunit 6 (RQ7012)

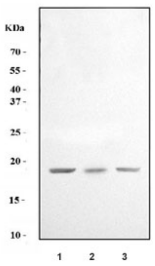
Catalog No.	Formulation	Size
RQ7012	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

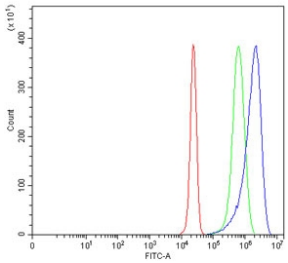
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P03923
Localization	Cytoplasmic (mitochondria)
Applications	Western Blot : 0.5-1 ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This MT-ND6 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with MT-ND6 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) HepG2 and 3) RT4 cell lysate with MT-ND6 antibody. Predicted molecular weight ~19 kDa.



Flow cytometry testing of human HepG2 cells with MT-ND6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MT-ND6 antibody.

Description

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

Application Notes

Optimal dilution of the MT-ND6 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids V10-N174) was used as the immunogen for the MT-ND6 antibody.

Storage

After reconstitution, the MT-ND6 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