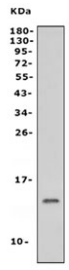
NDUFB3 Antibody (RQ6331)

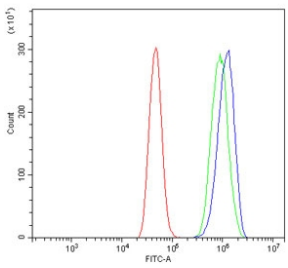
Catalog No.	Formulation	Size
RQ6331	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43676
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NDUFB3 antibody is available for research use only.



Western blot testing of mouse brain tissue lysate with NDUFB3 antibody. Predicted molecular weight: 12-14 kDa.



Flow cytometry testing of human A431 cells with NDUFB3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NDUFB3 antibody.

Description

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa is a protein that in humans is encoded by the NDUFB3 gene. This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is the first enzyme in the electron transport chain of mitochondria. This protein localizes to the inner membrane of the mitochondrion as a single-pass membrane protein. Mutations in this gene contribute to mitochondrial complex 1 deficiency. Alternative splicing results in multiple transcript variants encoding the same protein. Humans have multiple pseudogenes of this gene.

Application Notes

Optimal dilution of the NDUFB3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A2-M54) was used as the immunogen for the NDUFB3 antibody.

Storage

After reconstitution, the NDUFB3 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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