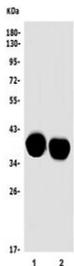


## Mtnd2 Antibody / NADH2 (RQ5994)

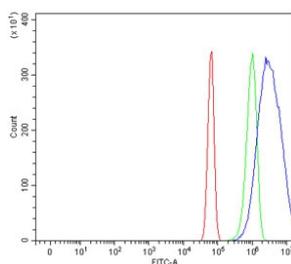
Catalog No.	Formulation	Size
RQ5994	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P11662
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This Mtnd2 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with Mtnd2 antibody. Predicted molecular weight ~39 kDa.



Flow cytometry testing of rat RH35 cells with Mtnd2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Mtnd2 antibody.

## Description

Mitochondrially encoded NADH dehydrogenase 2 is protein that in humans is encoded by the mitochondrial gene MT-ND2 gene. The ND2 protein is a subunit of NADH dehydrogenase (ubiquinone), which is located in the mitochondrial inner membrane and is the largest of the five complexes of the electron transport chain. Variants of MT-ND2 are associated with mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes (MELAS), Leigh's syndrome (LS), Leber's hereditary optic neuropathy (LHON) and increases in adult BMI.

## Application Notes

Optimal dilution of the Mtdn2 antibody should be determined by the researcher.

## Immunogen

Amino acids LEMSLLAIIPLLANKKSPRS from the rat protein were used as the immunogen for the Mtdn2 antibody.

## Storage

After reconstitution, the Mtdn2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.