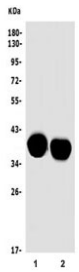
Mtnd2 Antibody / NADH2 (RQ5994)

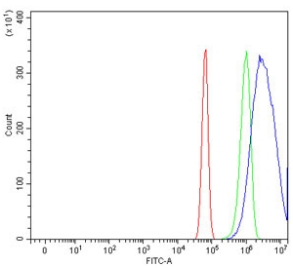
Catalog No.	Formulation	Size
RQ5994	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11662
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	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 Mtnd2 antibody should be determined by the researcher.

Immunogen

Amino acids LEMSLLAIIPLLANKKSPRS from the rat protein were used as the immunogen for the Mtnd2 antibody.

Storage

After reconstitution, the Mtnd2 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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