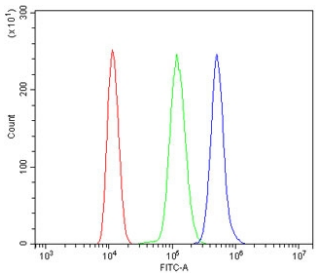
Mt-nd2 Antibody / NADH2 (RQ5993)

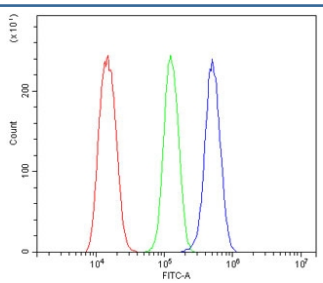
Catalog No.	Formulation	Size
RQ5993	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

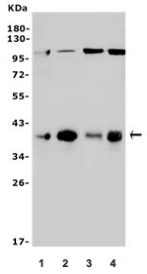
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P03893
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Mt-nd2 antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Mt-nd2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Mt-nd2 antibody.



Flow cytometry testing of rat NRK cells with Mt-nd2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Mt-nd2 antibody.



Western blot testing of 1) rat thymus, 2) rat spleen, 3) mouse thymus and 4) mouse HEPA1-6 lysate with Mt-nd2 antibody. Predicted molecular weight ~39 kDa.

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 Mt-nd2 antibody should be determined by the researcher.

Immunogen

Amino acids LEFSLLAIIPMLINKKNPRS from the mouse protein were used as the immunogen for the Mt-nd2 antibody.

Storage

After reconstitution, the Mt-nd2 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