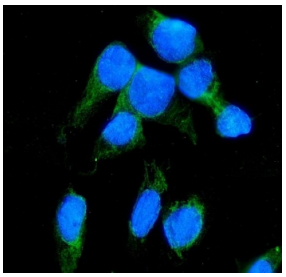
NNT Antibody (RQ5901)

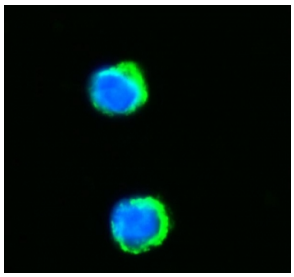
Catalog No.	Formulation	Size
RQ5901	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

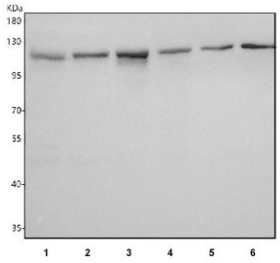
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13423
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NNT antibody is available for research use only.



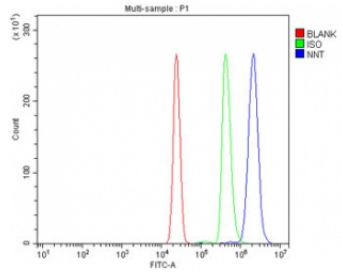
Immunofluorescent staining of FFPE human U-2 OS cells with NNT antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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



Western blot testing of 1) human HeLa, 2) human SiHa, 3) monkey kidney, 4) pig kidney, 5) rat kidney and 6) mouse kidney tissue lysate with NNT antibody. Predicted molecular weight ~114 kDa.



Flow cytometry testing of fixed and permeabilized human U937 cells with NNT antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NNT antibody.

Description

This gene encodes an integral protein of the inner mitochondrial membrane. The enzyme couples hydride transfer between NAD(H) and NADP(+) to proton translocation across the inner mitochondrial membrane. Under most physiological conditions, the enzyme uses energy from the mitochondrial proton gradient to produce high concentrations of NADPH. The resulting NADPH is used for biosynthesis and in free radical detoxification.

Application Notes

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

Immunogen

Recombinant human protein (amino acids C44-A350) was used as the immunogen for the NNT antibody.

Storage

After reconstitution, the NNT 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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