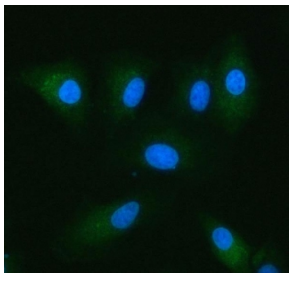
NADK2 Antibody / C5orf33 (RQ8067)

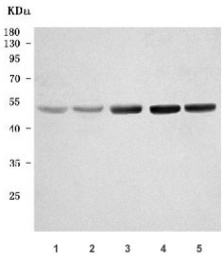
Catalog No.	Formulation	Size
RQ8067	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

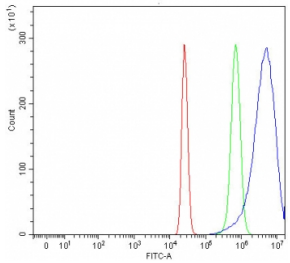
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q4G0N4
Localization	Cytoplasmic (mitochondria)
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 NADK2 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with NADK2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) rat brain, 4) mouse brain and 5) mouse thymus tissue lysate with NADK2 antibody. Predicted molecular weight ~49, 46 and 32 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human HepG2 cells with NADK2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NADK2 antibody.

Description

This gene encodes NAD kinase 2, a mitochondrial kinase that catalyzes the phosphorylation of NAD to yield NADP. Mutations in this gene result in 2,4-dienoyl-CoA reductase deficiency. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the NADK2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D145-Q442) was used as the immunogen for the NADK2 antibody.

Storage

After reconstitution, the NADK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.