

ARG43963 anti-NADK2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NADK2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NADK2
Species	Human
Immunogen	Human NADK2 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NADK2; NAD Kinase 2, Mitochondrial; MNADK; C5orf33; NADKD1; NAD Kinase Domain-Containing Protein 1, Mitochondrial; Mitochondrial NAD Kinase; FLJ30596; Chromosome 5 Open Reading Frame 33; NAD Kinase Domain Containing 1; EC 2.7.1.23; DECRD

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg /1x10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

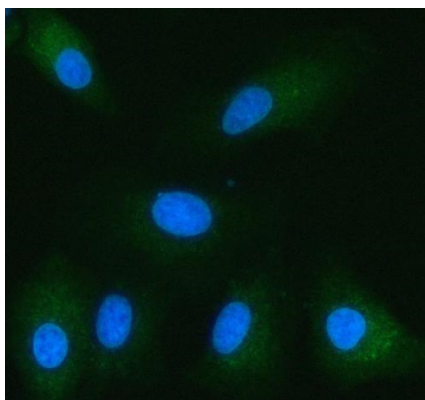
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

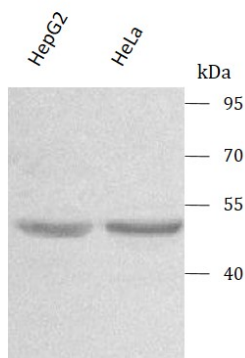
Gene Symbol	NADK2
Gene Full Name	NAD Kinase 2, Mitochondrial
Background	This gene encodes a mitochondrial kinase that catalyzes the phosphorylation of NAD to yield NADP. Mutations in this gene result in 2,4-dienoyl-CoA reductase deficiency. Alternative splicing results in multiple transcript variants.
Function	Mitochondrial NAD ⁺ kinase that phosphorylates NAD ⁺ to yield NADP ⁺ . Can use both ATP or inorganic polyphosphate as the phosphoryl donor. Also has weak NADH kinase activity in vitro; however NADH kinase activity is much weaker than the NAD ⁺ kinase activity and may not be relevant in vivo.
Calculated Mw	49 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Mitochondrion

Images



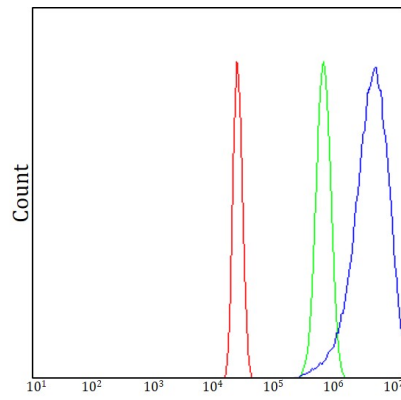
ARG43963 anti-NADK2 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG43963 anti-NADK2 antibody at 5 µg/ml dilution.



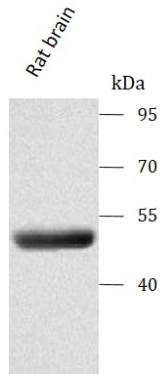
ARG43963 anti-NADK2 antibody WB image

Western blot: HepG2 and HeLa stained with ARG43963 anti-NADK2 antibody at 0.5 µg/mL dilution.



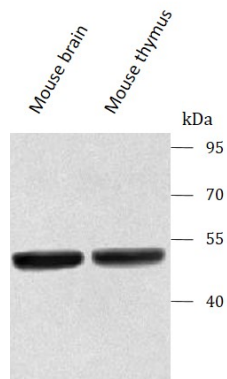
ARG43963 anti-NADK2 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG43963 anti-NADK2 antibody (blue) at $1\text{ }\mu\text{g}/1\times 10^6$ cells dilution.



ARG43963 anti-NADK2 antibody WB image

Western blot: Rat brain stained with ARG43963 anti-NADK2 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.



ARG43963 anti-NADK2 antibody WB image

Western blot: Mouse brain tissue lysates and Mouse thymus stained with ARG43963 anti-NADK2 antibody at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.