ARG43935
anti-NDUFA5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	NDUFA5
Species	Human
Immunogen	Human NDUFA5 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NDUFA5; NADH:Ubiquinone Oxidoreductase Subunit A5; NADH-Ubiquinone Oxidoreductase 13 KDa-B Subunit; CI-13KD-B; CI-13kB; UQOR13; NUFM; B13; NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 5, 13kDa; NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex Subunit 5; Complex I 13kDa Subunit B; Complex I Subunit B13; Ubiquinone Reductase; Type I Dehydrogenase; NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 5 (13kD, B13); NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 5; Complex I-13kD-B; CI-13kD-B

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.

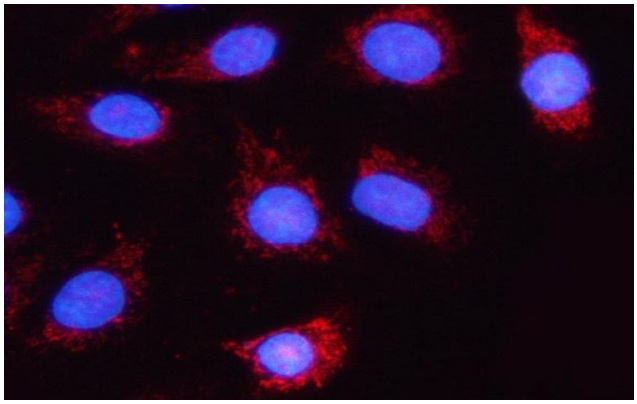
Properties

Form	Liquid
Buffer	0.9% NaCl, 0.2% Na2HPO4 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

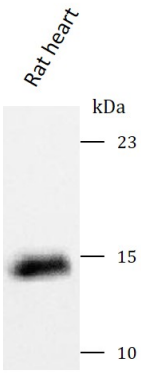
Gene Symbol	NDUFA5
Gene Full Name	NADH:Ubiquinone Oxidoreductase Subunit A5
Background	This nuclear gene encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. The encoded protein localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16.
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Calculated Mw	13 kDa
PTM	Acetylation
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane

Images



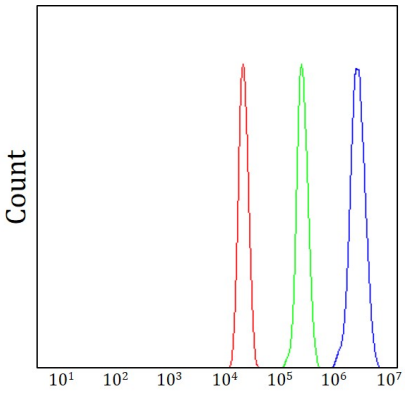
ARG43935 anti-NDUFA5 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG43935 anti-NDUFA5 antibody at 5 µg/ml dilution.



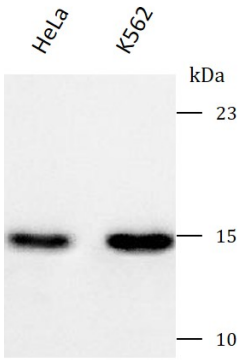
ARG43935 anti-NDUFA5 antibody WB image

Western blot: Rat heart stained with ARG43935 anti-NDUFA5 antibody at 0.5 µg/mL dilution.



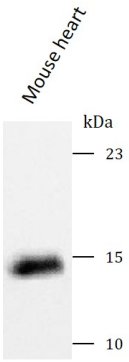
ARG43935 anti-NDUFA5 antibody FACS image

Flow Cytometry: U937 cells stained with ARG43935 anti-NDUFA5 antibody (blue) at 1 µg/1x10^6 cells dilution.



ARG43935 anti-NDUFA5 antibody WB image

Western blot: Hela and K562 stained with ARG43935 anti-NDUFA5 antibody at 0.5 µg/mL dilution.



ARG43935 anti-NDUFA5 antibody WB image

Western blot: Mouse heart stained with ARG43935 anti-NDUFA5 antibody at 0.5 µg/mL dilution.