ARG45919
anti-NDUFS1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFS1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFS1
Species	Human
Immunogen	Recombinant protein containing to human NDUFS1.
Conjugation	Un-conjugated
Alternate Names	NDUFS1; NADH:Ubiquinone Oxidoreductase Core Subunit S1; CI-75k; EC 1.6.5.3; NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial; CI-75Kd; EC 1.6.99.3; PRO1304; Complex I-75kD; CI-75kD

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
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.

Observed Size: 79 kDa

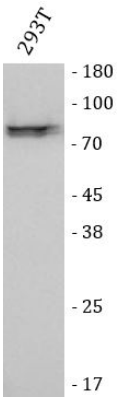
Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na2HPO4, 0.9% NaCl 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 -22°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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

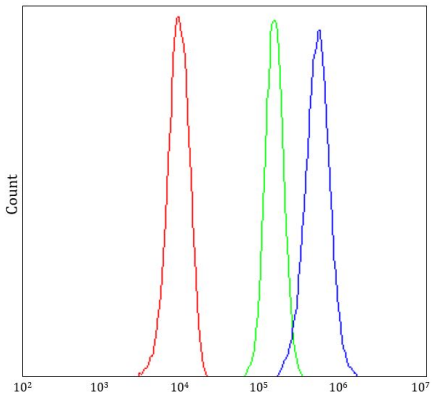
Gene Symbol	NDUFS1
Gene Full Name	NADH:Ubiquinone Oxidoreductase Core Subunit S1
Background	The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor. [UniProt]
Calculated Mw	79 kDa
PTM	Acetylation. [UniProt]
Cellular Localization	Membrane; Mitochondrion; Mitochondrion inner membrane. [UniProt]

Images



ARG45919 anti-NDUFS1 antibody WB image

Western blot: 293T stained with ARG45919 anti-NDUFS1 antibody at 0.5 µg/ml dilution.

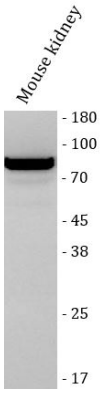


ARG45919 anti-NDUFS1 antibody FACS image

Flow Cytometry: HepG2 stained with ARG45919 anti-NDUFS1 antibody at 1 µg/10^6 cells dilution.

ARG45919 anti-NDUFS1 antibody WB image

Western blot: Rat kidney stained with ARG45919 anti-NDUFS1 antibody at 0.5 µg/ml dilution.



ARG45919 anti-NDUFS1 antibody WB image

Western blot: Mouse kidney stained with ARG45919 anti-NDUFS1 antibody at 0.5 µg/ml dilution.