ARG43936
anti-NDUFA7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	NDUFA7
Species	Human
Immunogen	Human NDUFA7 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NDUFA7; NADH:Ubiquinone Oxidoreductase Subunit A7; B14.5a; NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 7, 14.5kDa; NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex Subunit 7; NADH-Ubiquinone Oxidoreductase Subunit B14.5a; Complex I B14.5a Subunit; CI-B14.5a; NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 7 (14.5kD, B14.5a); Complex I-B14.5a

Application Instructions

Application table

Application	Dilution
ELISA	0.1-0.5 µg/ml
FACS	1-3 µg/1x10^6 cells
IHC-P	2-5 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.

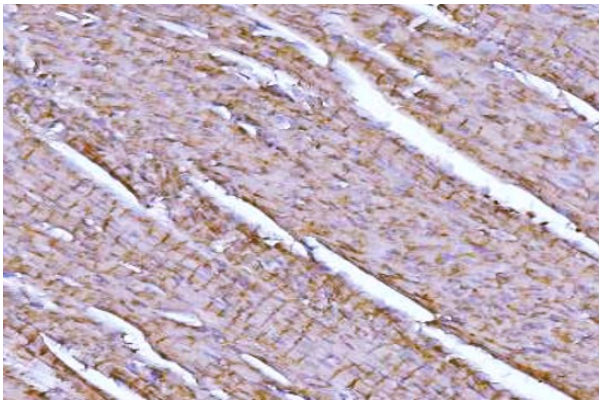
Properties

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

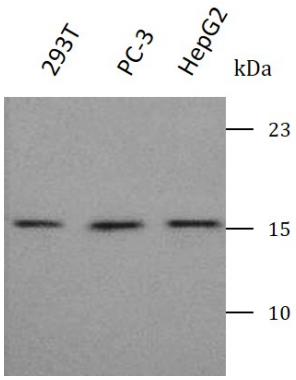
Gene Symbol	NDUFA7
Gene Full Name	NADH:Ubiquinone Oxidoreductase Subunit A7
Background	This gene encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain.
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, Phosphoprotein
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane

Images



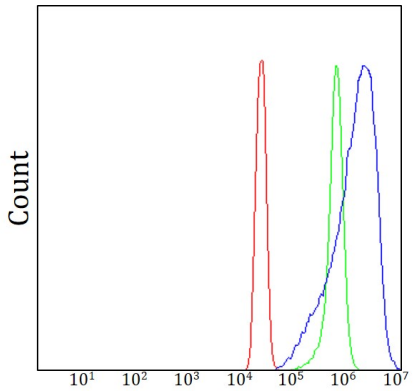
ARG43936 anti-NDUFA7 antibody IHC-P image

Immunohistochemistry: Rat cardiac node metastasis carcinoma stained with ARG43936 anti-NDUFA7 antibody at 2 µg/ml dilution.



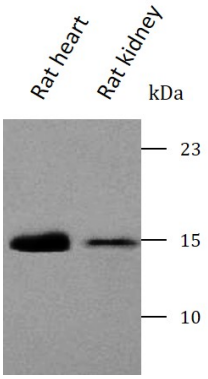
ARG43936 anti-NDUFA7 antibody WB image

Western blot: 293T, PC-3 and HepG2 stained with ARG43936 anti-NDUFA7 antibody at 0.5 µg/mL dilution.



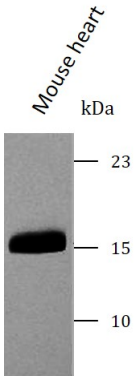
ARG43936 anti-NDUFA7 antibody FACS image

Flow Cytometry: SiHa cells stained with ARG43936 anti-NDUFA7 antibody (blue) at 1 µg/1x10^6 cells dilution.



ARG43936 anti-NDUFA7 antibody WB image

Western blot: Rat hear and Rat kidney stained with ARG43936 anti-NDUFA7 antibody at 0.5 µg/mL dilution.



ARG43936 anti-NDUFA7 antibody WB image

Western blot: Mouse heart stained with ARG43936 anti-NDUFA7 antibody at 0.5 µg/mL dilution.