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ARG40061
anti-NDUFB4 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFB4
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFB4
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-90 of Human NDUFB4 (NP_001161803.1).
Conjugation	Un-conjugated
Alternate Names	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4; CI-B15; B15; NADH-ubiquinone oxidoreductase B15 subunit; Complex I-B15

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse liver and HeLa
Observed Size	15 kDa

Properties

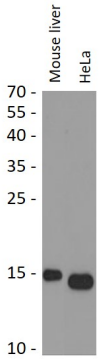
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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

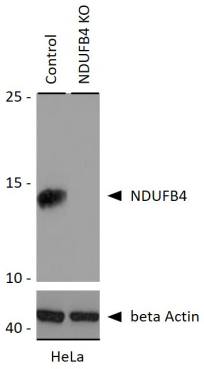
Gene Symbol	NDUFB4
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa
Background	This gene encodes a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone. [provided by RefSeq, Dec 2009]
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. [UniProt]
Calculated Mw	15 kDa
Cellular Localization	Mitochondrion inner membrane; Single-pass membrane protein; Matrix side. [UniProt]

Images



ARG40061 anti-NDUFB4 antibody WB image

Western blot: 25 µg of Mouse liver and HeLa cell lysates stained with ARG40061 anti-NDUFB4 antibody at 1:3000 dilution.



ARG40061 anti-NDUFB4 antibody WB image

Western blot: Extracts from normal (control) and NDUFB4 knockout (KO) HeLa cells, using ARG40061 anti-NDUFB4 antibody at 1:1000 dilution.