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ARG40047
anti-NDUFB7 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFB7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFB7
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-137 of Human NDUFB7 (NP_004137.2).
Conjugation	Un-conjugated
Alternate Names	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7; CI-B18; NADH-ubiquinone oxidoreductase B18 subunit; Complex I-B18; Cell adhesion protein SQM1; B18

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:100
IHC-P	1:50 - 1:100
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 heart and HL-60
Observed Size	16 kDa

Properties

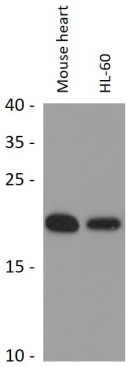
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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	NDUFB7
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa
Background	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It is located 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. [provided by RefSeq, Jul 2008]
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	16 kDa
Cellular Localization	Mitochondrion inner membrane; Peripheral membrane protein. Mitochondrion intermembrane space. [UniProt]

Images



ARG40047 anti-NDUFB7 antibody WB image

Western blot: 25 µg of Mouse heart and HL-60 cell lysates stained with ARG40047 anti-NDUFB7 antibody at 1:3000 dilution.