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NDUFA9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20542c

Product Information

Application	WB, E
Primary Accession	Q16795
Reactivity	Mouse, Rat, Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42510
Antigen Region	99-121

Additional Information

Gene ID	4704
Other Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial, Complex I-39kD, CI-39kD, NADH-ubiquinone oxidoreductase 39 kDa subunit, NDUFA9, NDUFS2L
Target/Specificity	This NDUFA9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 99-121 amino acids from the Central region of human NDUFA9.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NDUFA9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFA9
Synonyms	NDUFS2L
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis.

	Required for proper complex I assembly (PubMed:28671271). 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.
Cellular Location	Mitochondrion matrix

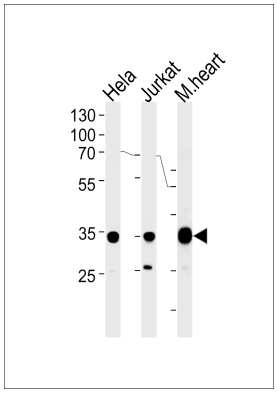
Background

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.

References

Baens M., et al. Genomics 16:214-218(1993).
Loeffen J.L.C.M., et al. Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Cross S.H., et al. Nat. Genet. 6:236-244(1994).
Murray J., et al. J. Biol. Chem. 278:13619-13622(2003).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).

Images



NDUFA9 Antibody (Center) (Cat. #AP20542c) western blot analysis in Hela,Jurkat cell line and mouse heart tissue lysates (35ug/lane).This demonstrates the NDUFA9 antibody detected the NDUFA9 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.