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NDUFA1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21705c

Product Information

Application	WB, E
Primary Accession	O15239
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53484
Calculated MW	8072

Additional Information

Gene ID	4694
Other Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1, Complex I-MWFE, CI-MWFE, NADH-ubiquinone oxidoreductase MWFE subunit, NDUFA1
Target/Specificity	This NDUFA1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 26-59 amino acids from the Central region of human NDUFA1.
Dilution	WB~~1:2000 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	NDUFA1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFA1
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.

Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein; Matrix side
Tissue Location	Primarily expressed in heart and skeletal muscle.

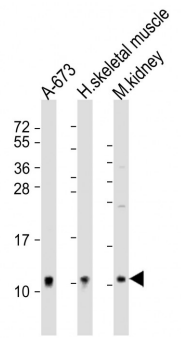
Background

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

Zhuchenko O.,et al.Genomics 37:281-288(1996).
Frattini A.,et al.Gene 192:291-298(1997).
Zhuchenko O.P.,et al.Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.
Murray J.,et al.J. Biol. Chem. 278:13619-13622(2003).
Sjoeblom T.,et al.Science 314:268-274(2006).

Images



All lanes : Anti-NDUFA1 Antibody (Center) at 1:2000 dilution Lane 1: A-673 whole cell lysate Lane 2: human skeletal muscle lysate Lane 3: mouse kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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