

NDUFA1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21705c

Specification

NDUFA1 Antibody (Center) - Product Information

Application WB,E
Primary Accession 015239

Reactivity Human, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Calculated MW 8072

NDUFA1 Antibody (Center) - 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.

NDUFA1 Antibody (Center) - 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

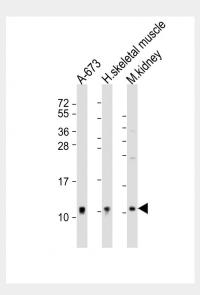
Primarily expressed in heart and skeletal muscle.

NDUFA1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

NDUFA1 Antibody (Center) - 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 μ g per lane. Secondary Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NDUFA1 Antibody (Center) - 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.

NDUFA1 Antibody (Center) - References





Tel: 858.875.1900 Fax: 858.875.1999

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).