

**NDUFA1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21705c**

**Specification**

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**NDUFA1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O15239</a>
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

**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**

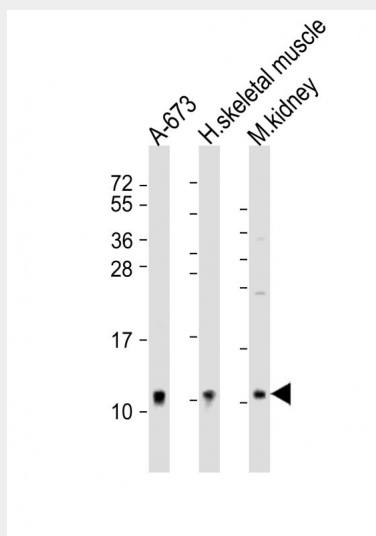
Primarily expressed in heart and skeletal muscle.

### **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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 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.

### **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**

Zhuchenko O., et al. *Genomics* 37:281-288(1996).  
Frattoni 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).  
Sjoebloom T., et al. *Science* 314:268-274(2006).