

**NDUAB Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10520c****Specification**

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

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q86Y39</a>
Other Accession	<a href="#">NP_783313.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14852
Antigen Region	64-92

**NDUAB Antibody (Center) - Additional Information****Gene ID** 126328**Other Names**

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11, Complex I-B147, CI-B147,  
NADH-ubiquinone oxidoreductase subunit B147, NDUFA11

**Target/Specificity**

This NDUAB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the Central region of human NDUAB.

**Dilution**

IHC-P~~1:50~100

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**

NDUAB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**NDUAB Antibody (Center) - Protein Information****Name** NDUFA11

**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**

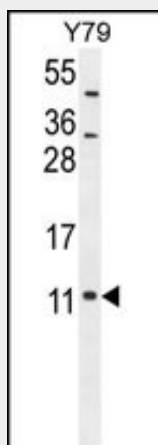
Mitochondrion inner membrane; Multi-pass membrane protein; Matrix side

**NDUAB Antibody (Center) - Protocols**

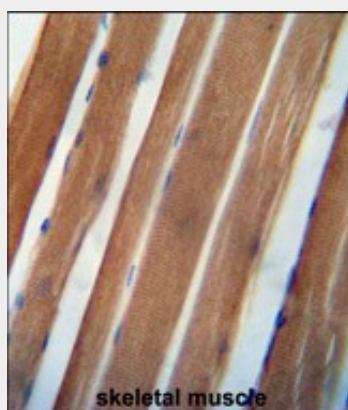
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NDUAB Antibody (Center) - Images**



NDUAB Antibody (Center) (Cat. #AP10520c) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the NDUAB antibody detected the NDUAB protein (arrow).



NDUAB antibody (Center) (Cat. #AP10520c) immunohistochemistry analysis in formalin fixed and

paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDUAB antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

**NDUAB Antibody (Center) - Background**

NDUFA11 encodes a subunit of the membrane-bound mitochondrial complex I. Complex I is composed of numerous subunits and functions as the NADH-ubiquinol reductase of the mitochondrial electron transport chain. Mutations in this gene are associated with severe mitochondrial complex I deficiency. Alternate splicing results in multiple transcript variants.

**NDUAB Antibody (Center) - References**

Berger, I., et al. Ann. Neurol. 63(3):405-408(2008)  
Takagaki, K., et al. Biochem. Biophys. Res. Commun. 309(2):351-358(2003)  
Murray, J., et al. J. Biol. Chem. 278(16):13619-13622(2003)  
Carroll, J., et al. J. Biol. Chem. 277(52):50311-50317(2002)  
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