

**NDUFS7 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20502c**

**Specification**

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**NDUFS7 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75251</a>
Other Accession	<a href="#">O9DC70</a> , <a href="#">P42026</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23564
Antigen Region	119-146

**NDUFS7 Antibody (Center) - Additional Information**

**Gene ID** 374291

**Other Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial, Complex I-20kD, CI-20kD, NADH-ubiquinone oxidoreductase 20 kDa subunit, PSST subunit, NDUFS7

**Target/Specificity**

This NDUFS7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-146 amino acids from the Central region of human NDUFS7.

**Dilution**

WB~~1:1000

**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**

NDUFS7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**NDUFS7 Antibody (Center) - Protein Information**

**Name** NDUFS7

**Function** Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:[17275378](#)). Essential for the catalytic activity of complex I (PubMed:[17275378](#)).

#### Cellular Location

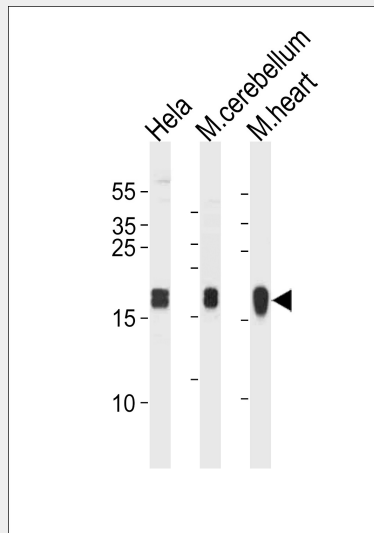
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P42026}; Matrix side {ECO:0000250|UniProtKB:P42026}

### NDUFS7 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](#)

### NDUFS7 Antibody (Center) - Images



NDUFS7 Antibody (Center) (Cat. #AP20502c) western blot analysis in HeLa cell line and mouse cerebellum, heart tissue lysates (35ug/lane). This demonstrates the NDUFS7 antibody detected the NDUFS7 protein (arrow).

### NDUFS7 Antibody (Center) - Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity).

### NDUFS7 Antibody (Center) - References

Hyslop S.J., et al. Genomics 37:375-380(1996).  
Grimwood J., et al. Nature 428:529-535(2004).  
Murray J., et al. J. Biol. Chem. 278:13619-13622(2003).  
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).  
Triepels R.H., et al. Ann. Neurol. 45:787-790(1999).