

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

NDUFS7 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O75251
Other Accession	O9DC70 , P42026
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

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

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

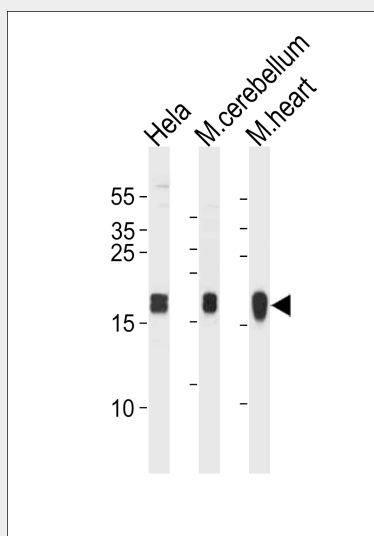
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P42026}; Matrix side {ECO:0000250|UniProtKB:P42026}

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).