10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFS7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5221

Specification

NDUFS7 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O75251
Other Accession	Q9DC70, P42026
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=24;M=25 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

NDUFS7 Antibody (Center) - Additional Information

Gene ID 374291

Antigen Region
119-146

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

Dilution
WB~~1:1000

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.

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.

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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).

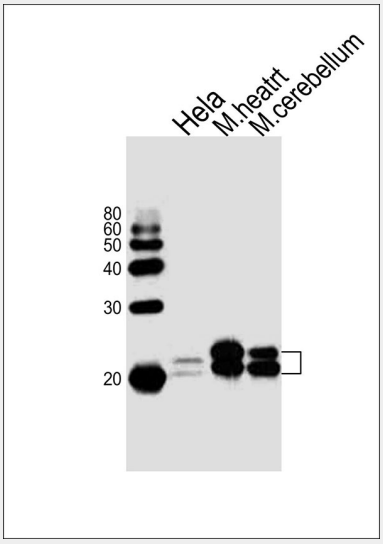
Cellular Location
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P42026}; Matrix side {ECO:0000250|UniProtKB:P42026}

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 Cytomety
- Cell Culture

NDUFS7 Antibody (Center) - Images



Western blot analysis of lysates from Hela cell line,mouse heart,mouse cerebellum tissue lysate (from left to right), using NDUFS7 Antibody (Center)(Cat. #AW5221). AW5221 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

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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).