

NDUFS7 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15162**Specification**

NDUFS7 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O75251
Reactivity	Human, Monkey, Goat, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	24kDa KDa

NDUFS7 Antibody (Internal) - Additional Information**Gene ID** 374291**Other Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial, 1.6.5.3, 1.6.99.3, Complex I-20kD, CI-20kD, NADH-ubiquinone oxidoreductase 20 kDa subunit, PSST subunit, NDUFS7

Target/Specificity

Human NDUFS7.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

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

NDUFS7 Antibody (Internal) - 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}

Volume

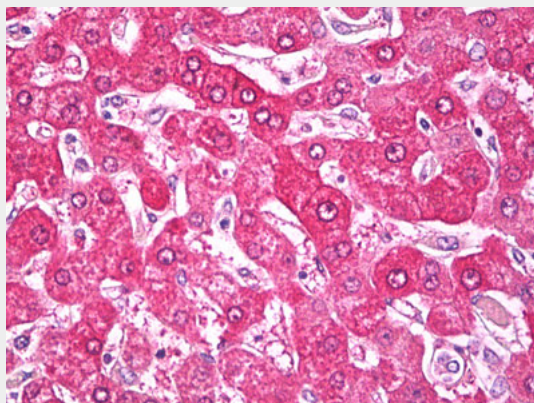
50 µl

NDUFS7 Antibody (Internal) - Protocols

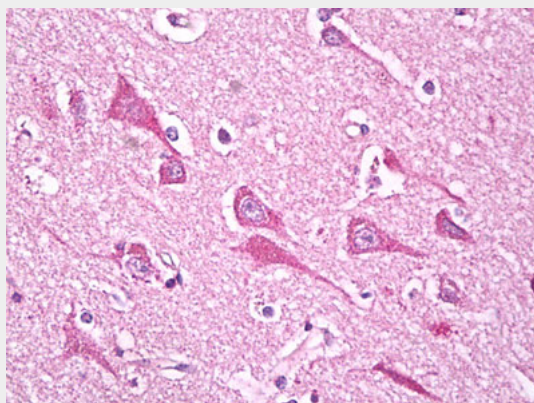
Provided below are standard protocols that you may find useful for product applications.

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

NDUFS7 Antibody (Internal) - Images



Anti-NDUFS7 antibody IHC of human liver.



Anti-NDUFS7 antibody IHC of human brain, cortex neurons.

NDUFS7 Antibody (Internal) - 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 (Internal) - References

Hyslop S.J.,et al.Genomics 37:375-380(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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).