

NDUFS3 Polyclonal Antibody
Catalog # AP71201**Specification****NDUFS3 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O75489
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

NDUFS3 Polyclonal Antibody - Additional Information**Gene ID** 4722**Other Names**

NDUFS3; NADH dehydrogenase [ubiquinone] iron-sulfur protein 3; mitochondrial; Complex I-30kD; CI-30kD; NADH-ubiquinone oxidoreductase 30 kDa subunit

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

NDUFS3 Polyclonal Antibody - Protein Information**Name** NDUFS3**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: [14729820](http://www.uniprot.org/citations/14729820), PubMed: [30140060](http://www.uniprot.org/citations/30140060)). Essential for the catalytic activity and assembly of complex I (PubMed: [14729820](http://www.uniprot.org/citations/14729820), PubMed: [24028823](http://www.uniprot.org/citations/24028823), PubMed: [30140060](http://www.uniprot.org/citations/30140060)).

Cellular Location

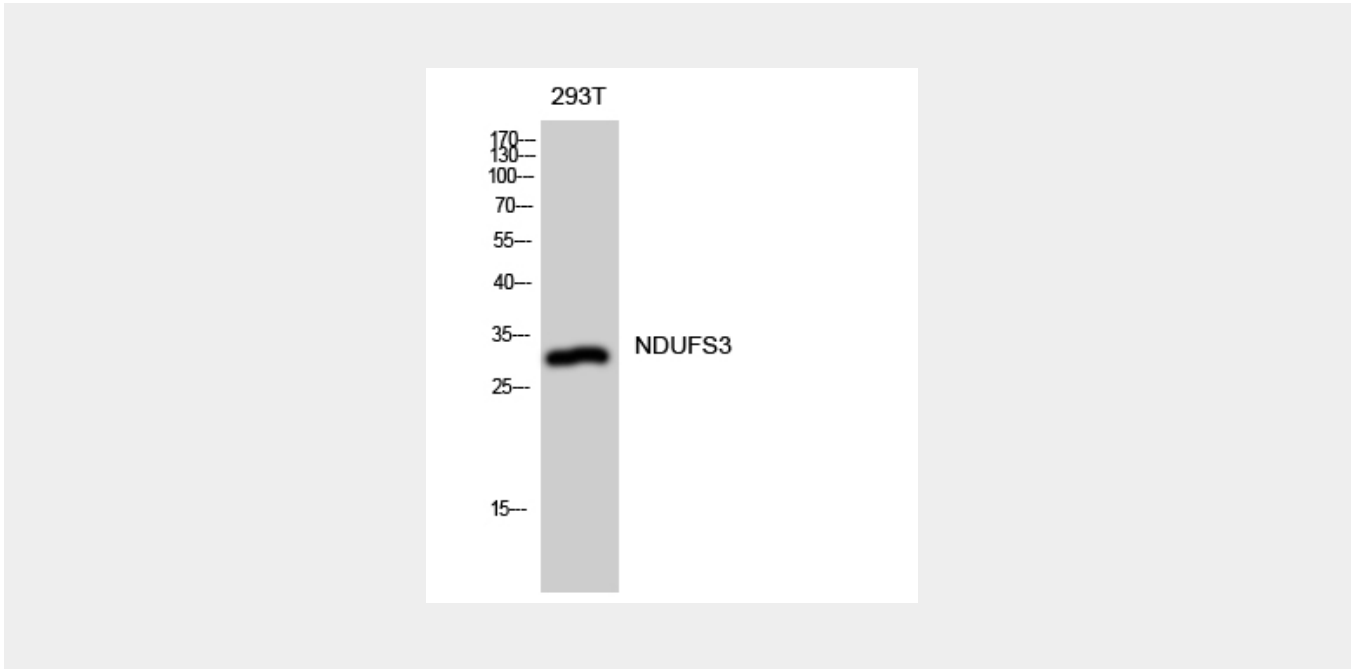
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

NDUFS3 Polyclonal Antibody - 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](#)

NDUFS3 Polyclonal Antibody - Images



NDUFS3 Polyclonal Antibody - 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).