

MT-ND1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51370**Specification**

MT-ND1 Antibody - Product Information

Application	WB, E
Primary Accession	P03886
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36 KDa

MT-ND1 Antibody - Additional Information**Gene ID** 4535**Other Names**

NADH-ubiquinone oxidoreductase chain 1, NADH dehydrogenase subunit 1, MT-ND1, MTND1, NADH1, ND1

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

MT-ND1 Antibody - Protein Information**Name** MT-ND1**Synonyms** MTND1, NADH1, ND1**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: [1959619](http://www.uniprot.org/citations/1959619)). Essential for the catalytic activity and assembly of complex I (PubMed: [1959619](http://www.uniprot.org/citations/1959619), PubMed: [26929434](http://www.uniprot.org/citations/26929434)).

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

MT-ND1 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](#)

MT-ND1 Antibody - Images

MT-ND1 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).

MT-ND1 Antibody - References

Anderson S., et al. Nature 290:457-465(1981).
Horai S., et al. Proc. Natl. Acad. Sci. U.S.A. 92:532-536(1995).
Moilanen J.S., et al. Mol. Biol. Evol. 20:2132-2142(2003).
Ingman M., et al. Nature 408:708-713(2000).
Ingman M., et al. Genome Res. 13:1600-1606(2003).