

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).