

MT-ND1 Antibody
Rabbit mAb
Catalog # AP92305

Specification

MT-ND1 Antibody - Product Information

Application	WB
Primary Accession	P03886
Reactivity	Rat
Clonality	Monoclonal
Other Names	
MT-ND1; MTND1; NAD1; NADH1; ND1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35661 Da

MT-ND1 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MT-ND1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

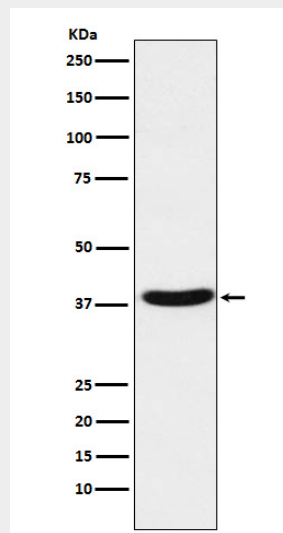
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

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



Western blot analysis of MT-ND1 expression in Human fetal muscle lysate.