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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). Essential for the catalytic activity and assembly of complex I (PubMed:1959619,

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PubMed:26929434).

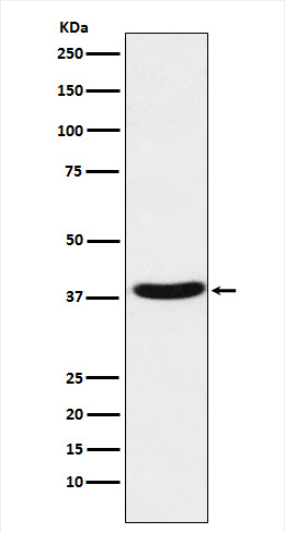
Cellular Location
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

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 Cytomety
- Cell Culture

MT-ND1 Antibody - Images



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