

**Anti-MT-ND1 Rabbit Monoclonal Antibody**  
**Catalog # ABO15725**

**Specification**

---

**Anti-MT-ND1 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P03886</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-MT-ND1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

**Anti-MT-ND1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 4535

**Other Names**

NADH-ubiquinone oxidoreductase chain 1, 7.1.1.2, NADH dehydrogenase subunit 1, MT-ND1, MTND1, NADH1, ND1

**Calculated MW**

38 kDa KDa

**Application Details**

WB 1:5000-1:20000

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human MT-ND1

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-MT-ND1 Rabbit Monoclonal 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:<a href="http://www.uniprot.org/citations/1959619" target="\_blank">1959619</a>). Essential for the catalytic activity and assembly of complex I (PubMed:<a href="http://www.uniprot.org/citations/1959619" target="\_blank">1959619</a>, PubMed:<a href="http://www.uniprot.org/citations/26929434" target="\_blank">26929434</a>).

**Cellular Location**

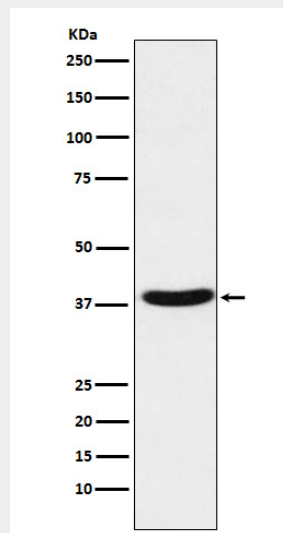
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

**Anti-MT-ND1 Rabbit Monoclonal 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](#)

**Anti-MT-ND1 Rabbit Monoclonal Antibody - Images**



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