

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

### Specification

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#### 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**

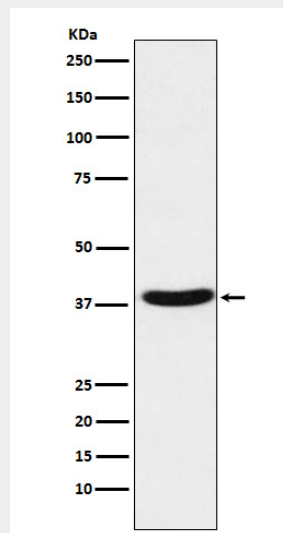
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03887}; Multi-pass membrane protein

**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.