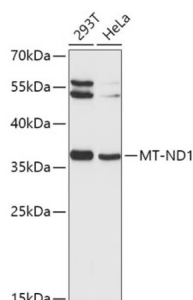


## NADH-Ubiquinone Oxidoreductase Chain 1 (MTND1) Antibody

Catalogue No.: abx004029



Western blot analysis of various lysates using MT-ND1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 5s.

MTND1 Antibody is a Rabbit Polyclonal antibody against MTND1. ND1 belongs to the complex I subunit 1 family. ND1 is a 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.

<b>Target:</b>	NADH-Ubiquinone Oxidoreductase Chain 1 (MTND1)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Synthetic peptide corresponding to MTND1. The exact sequence is proprietary.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P03886 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	MT-ND1

# Datasheet

Version: 6.0.0  
Revision date: 19 Aug 2025



**GeneID:** [4535](#)

**OMIM:** [125853](#)

**NCBI Accession:** NP\_904328.1

**HGNC:** 7455

**KEGG:** hsa:4535

**Ensembl:** ENSG00000198888

**String:** [9606.ENSP00000354687](#)

**Enzyme Commission Number:** EC 1.6.5.3

**Molecular Weight:** Calculated MW: 36 kDa  
Observed MW: 36 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** 0.369 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.