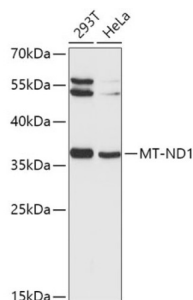


NADH-Ubiquinone Oxidoreductase Chain 1 (MTND1) Antibody

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.

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

Datasheet

Version: 6.0.0
Revision date: 30 Jul 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.