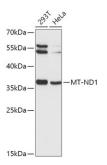


NADH-Ubiquinone Oxidoreductase Chain 1 (MTND1) Antibody

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 (<u>UniProt</u>, <u>ExPASy</u>)

Gene Symbol: MT-ND1

Datasheet

Version: 6.0.0 Revision date: 21 Oct 2025



GeneID: <u>4535</u>

OMIM: <u>125853</u>

NCBI Accession: NP_904328.1

HGNC: 7455

KEGG: hsa:4535

Ensembl: ENSG00000198888

String: <u>9606.ENSP00000354687</u>

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.