**Product Name:** **MT ND1 Rabbit Monoclonal Antibody**
**Catalog #:** **AMRe02285**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Recombinant rabbit monoclonal antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:1000 |
| **Molecular Weight** | Calculated MW: 36 kDa; Observed MW: 36 kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | MT-ND1 |
| **Alternative Names** | MT-ND1; MTND1; NADH1; ND1; NADH-ubiquinone oxidoreductase chain 1; NADH dehydrogenase subunit 1 |
| **Gene ID** | 4535 |
| **SwissProt ID** | P03886 |
| **Immunogen** | A synthetic peptide of human MT-ND1 |

## Background

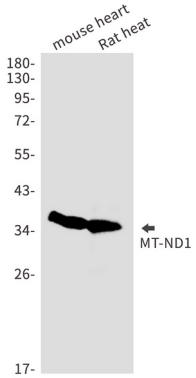
Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to

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.

## Research Area

Signal Transduction

## Image Data




Western blot analysis of MTND1 in mouse heart, rat heat lysates using MT ND1 antibody.