10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MT-ND2 Antibody
Affinity-Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51802

Specification

MT-ND2 Antibody - Product Information

Application	**WB, E**
Primary Accession	P03891
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39 KDa**

MT-ND2 Antibody - Additional Information

Gene ID 4536

Other Names
NADH-ubiquinone oxidoreductase chain 2, NADH dehydrogenase subunit 2, MT-ND2, MTND2, NADH2, ND2

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MT-ND2. The exact sequence is proprietary.

Dilution
WB~~1:1000
E~~N/A

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

MT-ND2 Antibody - Protein Information

Name MT-ND2 (HGNC:7456)

Synonyms MTND2, NADH2, ND2

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:16996290). Essential for the catalytic activity and assembly of complex I (PubMed:16996290).

Cellular Location
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03892}; Multi-pass membrane protein

MT-ND2 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 Cytomety
- Cell Culture

MT-ND2 Antibody - Images

MT-ND2 Antibody - 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 (By similarity).

MT-ND2 Antibody - References

Anderson S.,et al.Nature 290:457-465(1981).
Sanger F.,et al.J. Mol. Biol. 143:161-178(1980).
Wise C.A.,et al.Genetics 148:409-421(1998).
Horai S.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:532-536(1995).
Moilanen J.S.,et al.Mol. Biol. Evol. 20:2132-2142(2003).