

**ND2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9387a****Specification**

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**ND2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P03891](#)**ND2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4536**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ND2 Antibody (N-term) Blocking Peptide - 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:&lt;a href="http://www.uniprot.org/citations/16996290" target="\_blank"&gt;16996290&lt;/a&gt;). Essential for the catalytic activity and assembly of complex I (PubMed:&lt;a href="http://www.uniprot.org/citations/16996290" target="\_blank"&gt;16996290&lt;/a&gt;).

**Cellular Location**

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

**ND2 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ND2 Antibody (N-term) Blocking Peptide - Images****ND2 Antibody (N-term) Blocking Peptide - Background**

ND2 is core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. This protein 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

**ND2 Antibody (N-term) Blocking Peptide - References**

Saitoh,K., et.al., J. Mol. Evol. 63 (6), 826-841 (2006)