

**ND4L Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17147b****Specification**

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**ND4L Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P03901](#)**ND4L Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4539**Other Names**

NADH-ubiquinone oxidoreductase chain 4L, NADH dehydrogenase subunit 4L, MT-ND4L, MTND4L, NADH4L, ND4L

**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.

**ND4L Antibody (C-term) Blocking Peptide - Protein Information****Name** MT-ND4L ([HGNC:7460](#))**Synonyms** MTND4L, NADH4L, ND4L**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: [28844695](http://www.uniprot.org/citations/28844695)). Part of the enzyme membrane arm which is embedded in the lipid bilayer and involved in proton translocation (PubMed: [28844695](http://www.uniprot.org/citations/28844695)).

**Cellular Location**

Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03902}; Multi-pass membrane protein

**ND4L Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ND4L Antibody (C-term) Blocking Peptide - Images**

#### **ND4L Antibody (C-term) Blocking Peptide - 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).

#### **ND4L Antibody (C-term) Blocking Peptide - References**

Andrews, R.M., et al. Nat. Genet. 23 (2), 147 (1999) :Anderson, S., et al. Nature 290(5806):457-465(1981)Submitted (08-JUL-2009) National Center for Biotechnology Information, NIH, Bethesda, MD 20894, USA :Kogelnik, A.M., et al. Submitted (24-AUG-2006) Mitomap.org, Center for Molecular and Mitochondrial Medicine and Genetics (MAMMAG) University of California, University of California, Irvine, Irvine, CA 92697-3940, USA :Kogelnik, A.M., et al. Submitted (18-APR-1997) Center for Molecular Medicine, Emory University School of Medicine, 1462 Clifton Road, Suite 420, Atlanta, GA 30322, USA :