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ND4L Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17147b

Specification

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). Part of the enzyme membrane arm which is embedded in the lipid bilayer and involved in proton translocation (PubMed: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 :