

NDUFB4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8525b

Specification

NDUFB4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O95168](#)

NDUFB4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 4710

Other Names

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4, Complex I-B15, CI-B15, NADH-ubiquinone oxidoreductase B15 subunit, NDUFB4

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8525b was selected from the C-term region of human NDUFB4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

NDUFB4 Antibody (C-term) Blocking Peptide - Protein Information

Name NDUFB4

Function

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

NDUFB4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDUFB4 Antibody (C-term) Blocking Peptide - Images

NDUFB4 Antibody (C-term) Blocking Peptide - Background

NDUFB4 is a non-catalytic subunit of the multisubunit NADH:ubiquinone oxidoreductase, the first enzyme complex in the mitochondrial electron transport chain (complex I). Mammalian complex I is composed of 45 different subunits and transfers electrons from NADH to ubiquinone.

NDUFB4 Antibody (C-term) Blocking Peptide - References

Ma,J., et.al., Atherosclerosis 191 (1), 63-72 (2007)Loeffen,J.L., et.al., Biochem. Biophys. Res. Commun. 253 (2), 415-422 (1998)Mao,M., et.al., Proc. Natl. Acad. Sci. U.S.A. 95 (14), 8175-8180 (1998)