

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

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**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](/products/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)