

NDUFB7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6658a

Specification

NDUFB7 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P17568](#)

NDUFB7 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 4713

Other Names

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7, Cell adhesion protein SQM1, Complex I-B18, CI-B18, NADH-ubiquinone oxidoreductase B18 subunit, NDUFB7

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6658a](/products/AP6658a) was selected from the N-term region of human NDUFB7. 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.

NDUFB7 Antibody (N-term) Blocking Peptide - Protein Information

Name NDUFB7

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; Peripheral membrane protein. Mitochondrion intermembrane space

NDUFB7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDUFB7 Antibody (N-term) Blocking Peptide - Images

NDUFB7 Antibody (N-term) Blocking Peptide - Background

NDUFB7 is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

NDUFB7 Antibody (N-term) Blocking Peptide - References

Triepels,R., Hum. Genet. 106 (4), 385-391 (2000)