

NDUFA8 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6921c**Specification**

NDUFA8 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P51970](#)**NDUFA8 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4702**Other Names**

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8, Complex I-19kD, CI-19kD, Complex I-PGIV, CI-PGIV, NADH-ubiquinone oxidoreductase 19 kDa subunit, NDUFA8

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6921c](/products/AP6921c) was selected from the Center region of human NDUFA8. 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.

NDUFA8 Antibody (Center) Blocking Peptide - Protein Information**Name** NDUFA8**Function**

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis (PubMed: [27626371](http://www.uniprot.org/citations/27626371), PubMed: [32385911](http://www.uniprot.org/citations/32385911), PubMed: [33153867](http://www.uniprot.org/citations/33153867)). Complex I functions in the transfer of electrons from NADH to the respiratory chain (PubMed: [27626371](http://www.uniprot.org/citations/27626371)). The immediate electron acceptor for the enzyme is believed to be ubiquinone (PubMed: [27626371](http://www.uniprot.org/citations/27626371)).

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein. Mitochondrion intermembrane space. Mitochondrion

NDUFA8 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDUFA8 Antibody (Center) Blocking Peptide - Images

NDUFA8 Antibody (Center) Blocking Peptide - Background

NDUFA8 belongs to the complex I 19 kDA subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

NDUFA8 Antibody (Center) Blocking Peptide - References

Loeffen,J.L., et.al., Biochem. Biophys. Res. Commun. 253 (2), 415-422 (1998)