

**NDUFS8 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12552c****Specification**

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**NDUFS8 Antibody (Center) Blocking peptide - Product Information**Primary Accession [O00217](#)**NDUFS8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 4728**Other Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial, Complex I-23kD, CI-23kD, NADH-ubiquinone oxidoreductase 23 kDa subunit, TYKY subunit, NDUFS8

**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.

**NDUFS8 Antibody (Center) Blocking peptide - Protein Information****Name** NDUFS8**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:&lt;a href="http://www.uniprot.org/citations/22499348" target="\_blank"&gt;22499348&lt;/a&gt;). Essential for the catalytic activity and assembly of complex I (PubMed:&lt;a href="http://www.uniprot.org/citations/22499348" target="\_blank"&gt;22499348&lt;/a&gt;).

**Cellular Location**

Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P42028}; Matrix side {ECO:0000250|UniProtKB:P42028}

**Tissue Location**

Expressed in all tissues with the highest level in heart and skeletal muscle and the lowest level in lung

**NDUFS8 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **NDUFS8 Antibody (Center) Blocking peptide - Images**

#### **NDUFS8 Antibody (Center) Blocking peptide - Background**

This gene encodes a subunit of mitochondrial NADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzyme of the respiratory chain responsible for NADH oxidation, ubiquinone reduction, and the ejection of protons from mitochondria. The encoded protein is involved in the binding of two of the six iron-sulfur clusters of Complex I and, as such, is required in the electron transfer process. Mutations in this gene have been associated with Leigh syndrome.

#### **NDUFS8 Antibody (Center) Blocking peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Bourges, I., et al. Biochem. J. 383 (PT 3), 491-499 (2004) :Procaccio, V., et al. Neurology 62(10):1899-1901(2004)Ugalde, C., et al. Hum. Mol. Genet. 13(6):659-667(2004)Murray, J., et al. J. Biol. Chem. 278(39):37223-37230(2003)