10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFS8 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP12552c

Specification

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:22499348). Essential for the catalytic activity and assembly of complex I (PubMed:22499348).

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

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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 mitochondrialNADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzymeof the respiratory chain responsible for NADH oxidation, ubiquinonereduction, and the ejection of protons from mitochondria. Theencoded protein is involved in the binding of two of the six toeight iron-sulfur clusters of Complex I and, as such, is requiredin the electron transfer process. Mutations in this gene have beenassociated 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)