

NDUFA10 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9768c**Specification**

NDUFA10 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O95299](#)**NDUFA10 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4705**Other Names**

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial, Complex I-42kD, CI-42kD, NADH-ubiquinone oxidoreductase 42 kDa subunit, NDUFA10

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.

NDUFA10 Antibody (Center) Blocking Peptide - Protein Information**Name** NDUFA10**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 matrix

NDUFA10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDUFA10 Antibody (Center) Blocking Peptide - Images

NDUFA10 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene belongs to the complex I 42kDA subunit family. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. This protein is a component of the hydrophobic protein fraction and has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain.

NDUFA10 Antibody (Center) Blocking Peptide - References

Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008)Ma, J., et al. Atherosclerosis 191(1):63-72(2007)Harris, S.E., et al. BMC Genet. 8, 43 (2007) Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003)