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

NDUB2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4733b

Specification

NDUB2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O95178

NDUB2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 4708

Other Names
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial, Complex I-AGGG, CI-AGGG, NADH-ubiquinone oxidoreductase AGGG subunit, NDUFB2

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.

NDUB2 Antibody (C-term) Blocking Peptide - Protein Information

Name NDUFB2

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; Matrix side

NDUB2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

NDUB2 Antibody (C-term) Blocking Peptide - Images

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

NDUB2 Antibody (C-term) Blocking Peptide - Background

NDUB2 is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I.

NDUB2 Antibody (C-term) Blocking Peptide - References

Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)Yeh, C.H., et al. Chest 125(1):228-235(2004)