

NDUFAF2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13341c**Specification**

NDUFAF2 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8N183](#)**NDUFAF2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 91942**Other Names**

Mimitin, mitochondrial, B172-like, B172L, Myc-induced mitochondrial protein, MMTN, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2, NDUFA12-like protein, NDUFAF2, NDUFA12L

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13341c was selected from the Center region of NDUFAF2. 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.

NDUFAF2 Antibody (Center) Blocking peptide - Protein Information**Name** NDUFAF2**Synonyms** NDUFA12L**Function**

Acts as a molecular chaperone for mitochondrial complex I assembly (PubMed:16200211, PubMed:19384974). 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 (PubMed:16200211, PubMed:27626371).

Cellular Location

Mitochondrion.

Tissue Location

Highly expressed in ESCC cells. Also expressed in heart, skeletal muscle, liver, and in fibroblasts

NDUFAF2 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

NDUFAF2 Antibody (Center) Blocking peptide - Images**NDUFAF2 Antibody (Center) Blocking peptide - Background**

NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene cause progressive encephalopathy resulting from mitochondrial complex I deficiency.

NDUFAF2 Antibody (Center) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Lesch, K.P., et al. Mol. Psychiatry (2010) In press :Herzer, M., et al. Neuropediatrics 41(1):30-34(2010)Hoefs, S.J., et al. Hum. Mutat. 30 (7), E728-E736 (2009) :Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)