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

Specification

NDUFAF2 Antibody (Center) Blocking peptide - Product Information

Primary 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 thetransfer of electrons from NADH to ubiquinone (coenzyme Q) in thefirst step of the mitochondrial respiratory chain, resulting in thetranslocation of protons across the inner mitochondrial membrane.This gene encodes a complex I assembly factor. Mutations in thisgene cause progressive encephalopathy resulting from mitochondrialcomplex 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)