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C20orf7 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11014b

Specification

C20orf7 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q5TEU4

C20orf7 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 79133

Other Names
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 5, Probable methyltransferase C20orf7, mitochondrial, 211-, NDUFAF5, C20orf7

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.

C20orf7 Antibody (C-term) Blocking peptide - Protein Information

Name NDUFAF5 (HGNC:15899)

Function
Arginine hydroxylase involved in the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I, MT- ND1) at early stages (PubMed:18940309, PubMed:27226634). Acts by mediating hydroxylation of 'Arg-111' of NDUFS7 (PubMed:27226634). May also have methyltransferase activity (Probable).

Cellular Location
Mitochondrion inner membrane. Note=Peripherally localized on the matrix face of the mitochondrial inner membrane

C20orf7 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

C20orf7 Antibody (C-term) Blocking peptide - Images

C20orf7 Antibody (C-term) Blocking peptide - Background

The NADH-ubiquinone oxidoreductase complex (complex I) ofthe mitochondrial respiratory chain catalyzes the transfer ofelectrons from NADH to ubiquinone, and consists of at least 43subunits. The complex is located in the inner mitochondrialmembrane. This gene encodes a mitochondrial protein that isassociated with the matrix face of the mitochondrial inner membraneand is required for complex I assembly. A mutation in this generesults in mitochondrial complex I deficiency. Multiple transcriptvariants encoding different isoforms have been found for this gene.

C20orf7 Antibody (C-term) Blocking peptide - References

Gerards, M., et al. J. Med. Genet. 47(8):507-512(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Sugiana, C., et al. Am. J. Hum. Genet. 83(4):468-478(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)