

NUBPL Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18063a

Specification

NUBPL Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q8TB37](#)

NUBPL Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 80224

Other Names

Iron-sulfur protein NUBPL, IND1 homolog, Nucleotide-binding protein-like, huInd1, NUBPL, C14orf127

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.

NUBPL Antibody (N-term) Blocking Peptide - Protein Information

Name NUBPL

Synonyms C14orf127

Function

Iron-sulfur cluster transfer protein involved in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) (PubMed:19752196). May deliver one or more Fe-S clusters to complex I subunits (PubMed:19752196).

Cellular Location

Mitochondrion.

Tissue Location

Highest expression in liver and kidney. expressed at significant levels in small intestine and brain (at protein level)

NUBPL Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NUBPL Antibody (N-term) Blocking Peptide - Images

NUBPL Antibody (N-term) Blocking Peptide - Background

Respiratory complex I (NADH:ubiquinone oxidoreductase EC1.6.5.3) is a large mitochondrial inner membrane enzyme consisting of 45 subunits and 8 iron-sulfur (Fe/S) clusters. NUBPL, or IND1, is an Fe/S protein that plays a critical role in the assembly of respiratory complex I, likely by transferring Fe/S into the Fe/S-containing complex I subunits (Sheftel et al., 2009 [PubMed19752196]).

NUBPL Antibody (N-term) Blocking Peptide - References

Calvo, S.E., et al. Nat. Genet. 42(10):851-858(2010) Sheftel, A.D., et al. Mol. Cell. Biol. 29(22):6059-6073(2009) Volpi, S., et al. Mol. Psychiatry 14(11):1024-1031(2009) Baranzini, S.E., et al. Hum. Mol. Genet. 18(4):767-778(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007)