

NUBPL Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18063A

Specification

NUBPL Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8TB37
Other Accession	NP_079428.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34083
Antigen Region	40-67

NUBPL Antibody (N-term) - Additional Information

Gene ID 80224

Other Names

Iron-sulfur protein NUBPL, IND1 homolog, Nucleotide-binding protein-like, hulnd1, NUBPL, C14orf127

Target/Specificity

This NUBPL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-67 amino acids from the N-terminal region of human NUBPL.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NUBPL Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUBPL Antibody (N-term) - 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.

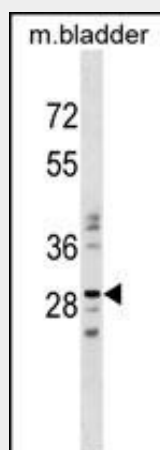
Tissue Location

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

NUBPL Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NUBPL Antibody (N-term) - Images

NUBPL Antibody (N-term) (Cat. #AP18063a) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the NUBPL antibody detected the NUBPL protein (arrow).

NUBPL Antibody (N-term) - Background

Respiratory complex I (NADH:ubiquinone oxidoreductase EC 1.6.5.3) 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 [PubMed 19752196]).

NUBPL Antibody (N-term) - 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)