

NDUF3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10989a

Specification

NDUF3 Antibody (N-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	O9BU61
Other Accession	NP_951032.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20350
Antigen Region	12-40

NDUF3 Antibody (N-term) - Additional Information

Gene ID 25915

Other Names

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3, NDUF3, C3orf60

Target/Specificity

This NDUF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human NDUF3.

Dilution

IHC-P~~1:50~100

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

NDUF3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUF3 Antibody (N-term) - Protein Information

Name NDUF3

Synonyms C3orf60

Function Essential factor for the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I).

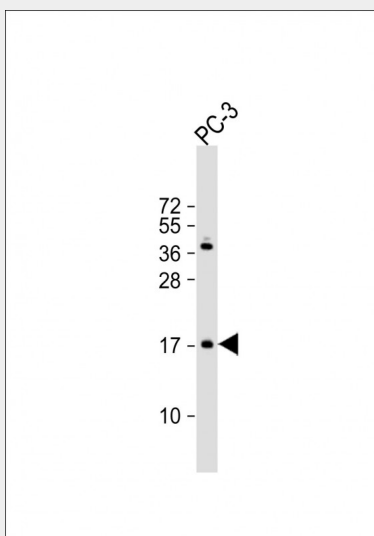
Cellular Location

Nucleus. Mitochondrion inner membrane

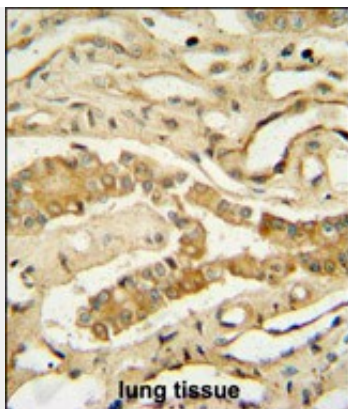
NDUF3 Antibody (N-term) - Protocols

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](#)

NDUF3 Antibody (N-term) - Images

Anti-NDUF3 Antibody (N-term) at 1:1000 dilution + PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 20 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NDUF3 antibody (N-term) (Cat. #AP10989a) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDUF3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

NDUF3 Antibody (N-term) - Background

This gene encodes a mitochondrial complex I assembly protein that interacts with complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency, a fatal neonatal disorder of the oxidative phosphorylation system. Alternatively spliced transcript variants encoding different isoforms have been identified.

NDUF3 Antibody (N-term) - References

Saada, A., et al. Am. J. Hum. Genet. 84(6):718-727(2009)
Hammami-Hamza, S., et al. Int. J. Dev. Biol. 47(1):71-76(2003)
Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)