

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

**Specification**

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**NDUF3 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | IHC-P, WB,E                 |
| Primary Accession | <a href="#">Q9BU61</a>      |
| Other Accession   | <a href="#">NP_951032.1</a> |
| 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).

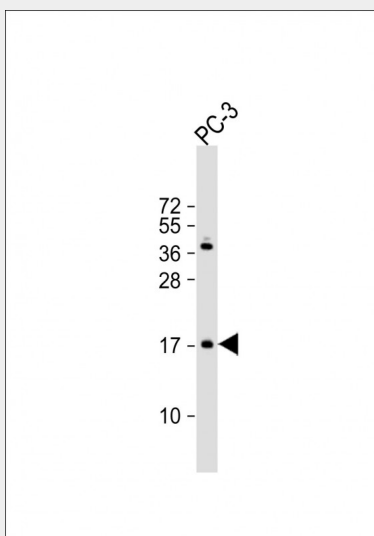
**Cellular Location**

Nucleus. Mitochondrion inner membrane

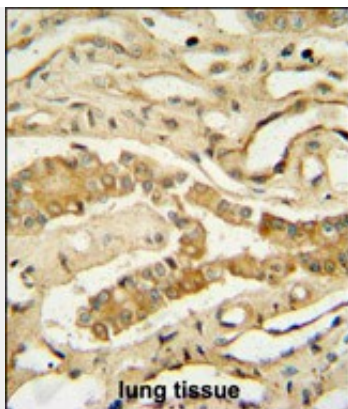
**NDUF3 Antibody (N-term) - Protocols**

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)