

ND3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12310a**Specification**

ND3 Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	P03897
Other Accession	YP_003024033.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13186
Antigen Region	10-38

ND3 Antibody (N-term) - Additional Information**Gene ID** 4537**Other Names**

NADH-ubiquinone oxidoreductase chain 3, NADH dehydrogenase subunit 3, MT-ND3, MTND3, NADH3, ND3

Target/Specificity

This ND3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-38 amino acids from the N-terminal region of human ND3.

DilutionWB~~1:1000
FC~~1:10~50**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

ND3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ND3 Antibody (N-term) - Protein Information**Name** MT-ND3 ([HGNC:7458](#))

Synonyms MTND3, NADH3, ND3

Function Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:[25118196](#)). Essential for the catalytic activity of complex I (PubMed:[25118196](#)).

Cellular Location

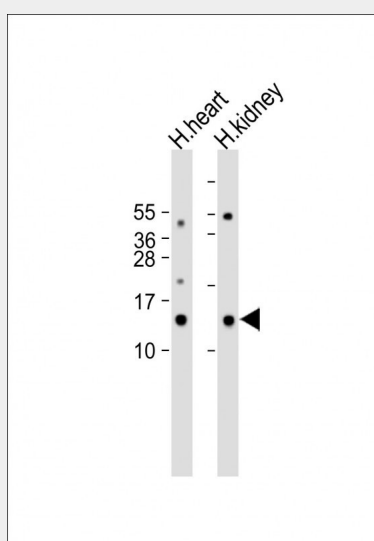
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P03898}; Multi-pass membrane protein

ND3 Antibody (N-term) - Protocols

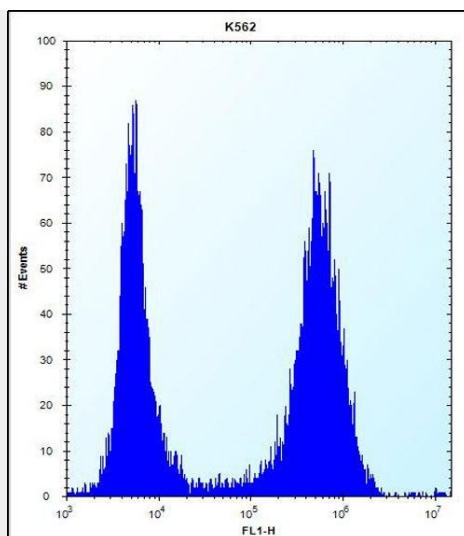
Provided below are standard protocols that you may find useful for product applications.

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

ND3 Antibody (N-term) - Images



All lanes : Anti-ND3 Antibody (N-term) at 1:1000 dilution Lane 1: Human heart whole tissue lysate Lane 2: Human kidney whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 13 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ND3 Antibody (N-term) (Cat. #AP12310a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

ND3 Antibody (N-term) - Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity).