

NDUFB4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5032

Specification

NDUFB4 Antibody (N-term) - Product Information

Application IF, IHC-P, FC, WB,E

Primary Accession
Reactivity
Host
Clonality
Calculated MW
Isotype
Antigen Source

O95168
Human
Rabbit
Polyclonal
H=15,14 KDa
Rabbit IgG
HUMAN

NDUFB4 Antibody (N-term) - Additional Information

Gene ID 4710

Antigen Region

3-36

Other Names

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4, Complex I-B15, CI-B15, NADH-ubiquinone oxidoreductase B15 subunit, NDUFB4

Dilution

IF~~1:25 IHC-P~~1:25 FC~~1:25 WB~~1:1000

Target/Specificity

This NDUFB4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 3-36 amino acids from the N-terminal region of human NDUFB4.

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

NDUFB4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFB4 Antibody (N-term) - Protein Information





Name NDUFB4

Function

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

Cellular Location

Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

NDUFB4 Antibody (N-term) - Protocols

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

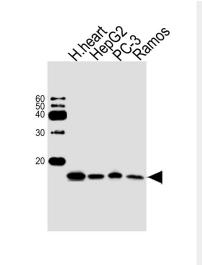
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NDUFB4 Antibody (N-term) - Images

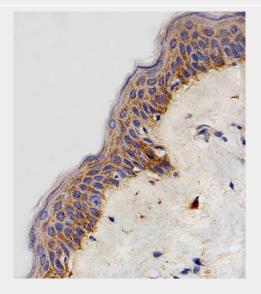


Fluorescent image of Hela cells stained with NDUFB4 Antibody (N-term)(Cat#AW5032). AW5032 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

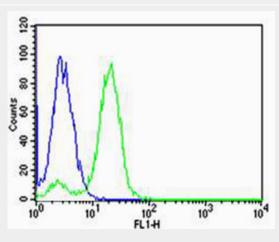


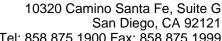


Western blot analysis of lysates from human heart tissue, HepG2, PC-3, Ramos cell line (from left to right), using NDUFB4 Antibody (N-term)(Cat. #AW5032). AW5032 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded H. skin section using NDUFB4 Antibody (N-term)(Cat#AW5032). AW5032 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.







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Flow cytometric analysis of Hela cells using NDUFB4 Antibody (N-term)(green, Cat#AW5032) compared to an isotype control of rabbit IgG(blue). AW5032 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

NDUFB4 Antibody (N-term) - Background

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

NDUFB4 Antibody (N-term) - References

Loeffen J.L.C.M., et al. Biochem. Biophys. Res. Commun. 253:415-422(1998). Muzny D.M., et al. Nature 440:1194-1198(2006). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Murray J., et al.J. Biol. Chem. 278:13619-13622(2003). Burkard T.R., et al.BMC Syst. Biol. 5:17-17(2011).