

# NDUFB4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5032

# **Product Information**

Application	IHC-P, IF, FC, WB
Primary Accession	<u>095168</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15209
Isotype	Rabbit IgG
Antigen Source	HUMAN

# **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	IHC-P~~1:100~500 IF~~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.

#### **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

### 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.

## 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).

#### Images



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.



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.

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 lgG 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).





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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.