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NDUFB4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5032

Product Information

Application	IHC-P, IF, FC, WB
Primary Accession	O95168
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

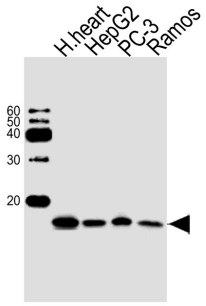
Background

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.

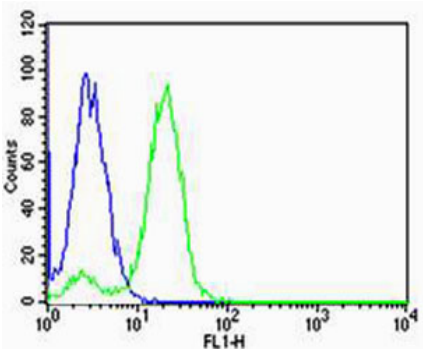
References

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

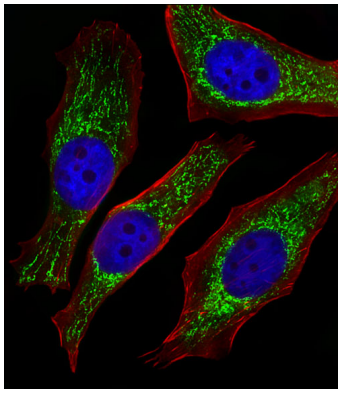


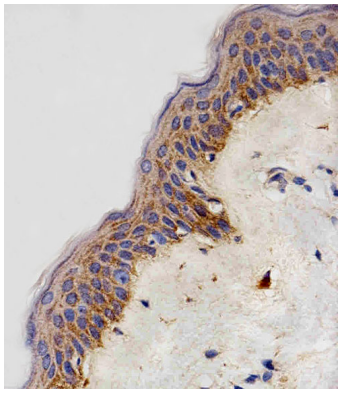
Western blot analysis of lysates from human heart tissue, HepG2, PC-3, Ramos cell line (from left to right), using NDUFB4 Antibody (N-term)(Cat. #AW5032). AW5032 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



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 lgG 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.