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# NDUFC2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5133

## Product Information

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| **Application** | IHC-P, IF, FC, WB |
| **Primary Accession** | O95298 |
| **Other Accession** | E9PQ53 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 14188 |
| **Isotype** | Rabbit IgG |
| **Antigen Source** | HUMAN |

## Additional Information

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| **Gene ID** | 4718 |
| **Antigen Region** | 5-39 |
| **Other Names** | NADH dehydrogenase [ubiquinone] 1 subunit C2, Complex I-B145b, CI-B145b, Human lung cancer oncogene 1 protein, HLC-1, NADH-ubiquinone oxidoreductase subunit B145b, NDUFC2 |
| **Dilution** | IHC-P~~1:100~500 IF~~1:25 FC~~1:25 WB~~1:1000 |
| **Target/Specificity** | This NDUFC2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 5-39 amino acids from the N-terminal region of human NDUFC2. |
| **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** | NDUFC2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | NDUFC2 ( HGNC:7706) |

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| **Function** | Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis but required for the complex assembly. 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 |

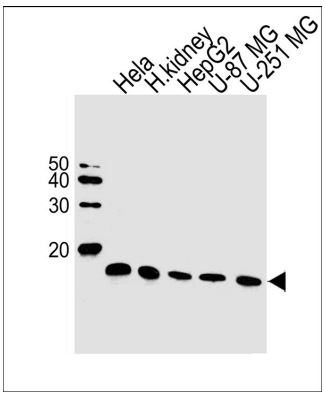
## Background

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.

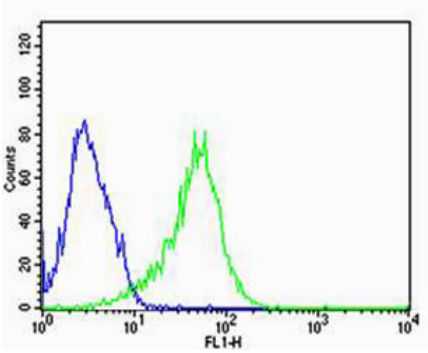
## References


Loeffen J.L.C.M.,et al.Biochem. Biophys. Res. Commun. 253:415-422(1998).
Dai F.Y.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.
Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Kim J.W.,et al.Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.


## Images

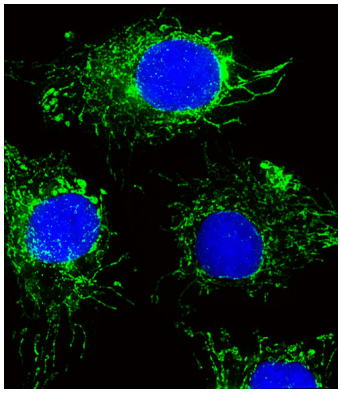


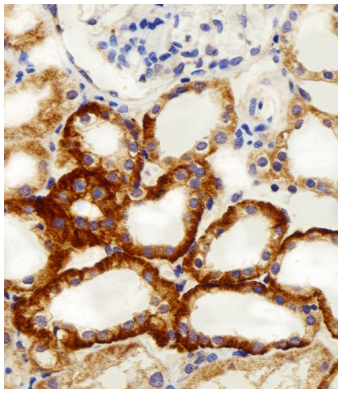

Western blot analysis of lysates from Hela cell line,human kidney tissue,HepG2,U-87 MG,U-251 MG cell line (from left to right), using NDUFC2 Antibody (N-term)(Cat. #AW5133). AW5133 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



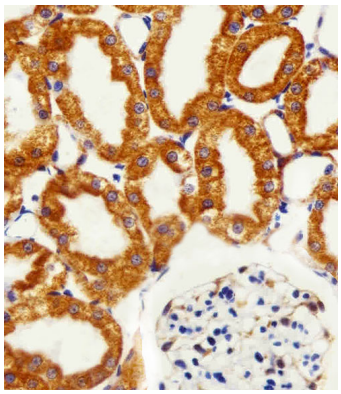

Flow cytometric analysis of HepG2 cells using NDUFC2 Antibody (N-term)(green, Cat#AW5133) compared to an isotype control of rabbit IgG(blue). AW5133 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

Fluorescent image of HepG2 cells stained with NDUFC2 Antibody (N-term) (Cat#AW5133). AW5133 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).





Immunohistochemical analysis of paraffin-embedded H. kidney section using NDUFC2 Antibody (N-term)(Cat#AW5133). AW5133 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.



Immunohistochemical analysis of paraffin-embedded R. kidney section using NDUFC2 Antibody (N-term)(Cat#AW5133). AW5133 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.