

**NDUFC2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5133****Specification**

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**NDUFC2 Antibody (N-term) - Product Information**

Application	IHC-P, IF, FC, WB,E
Primary Accession	<a href="#">O95298</a>
Other Accession	<a href="#">E9PQ53</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=14,11,10;M=14;Rat=14 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**NDUFC2 Antibody (N-term) - Additional Information****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~~1:25  
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.

## NDUFC2 Antibody (N-term) - Protein Information

**Name** NDUFC2 ([HGNC:7706](#))

### 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

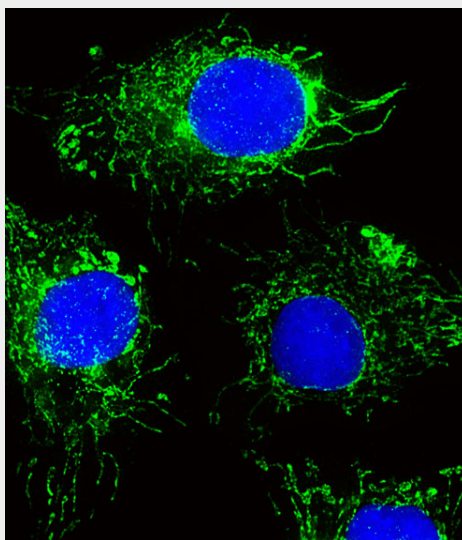
Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

## NDUFC2 Antibody (N-term) - Protocols

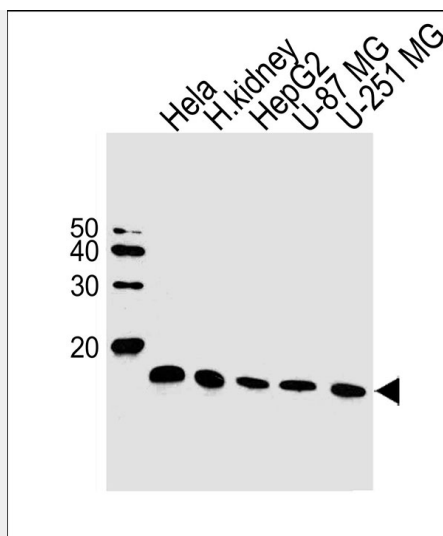
Provided below are standard protocols that you may find useful for product applications.

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

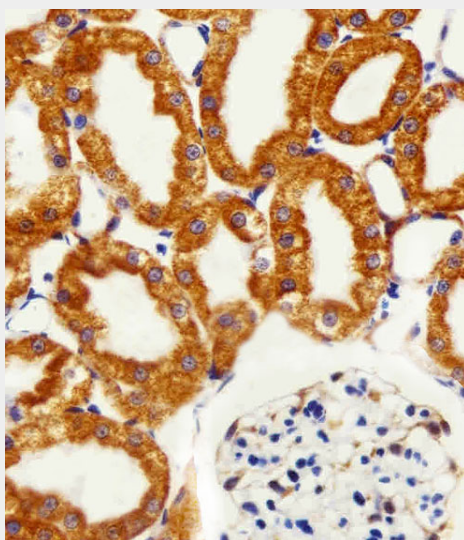
## NDUFC2 Antibody (N-term) - Images



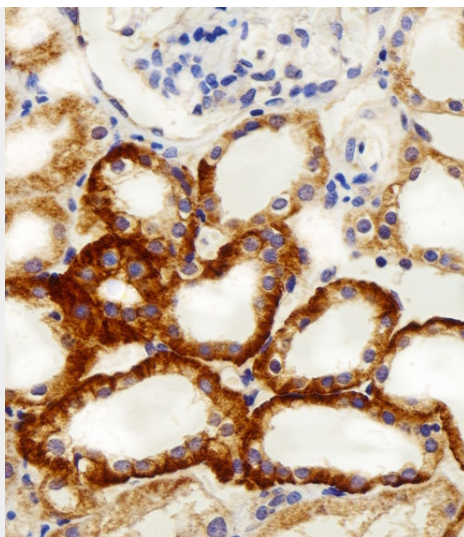
Fluorescent image of HepG2 cells stained with NDUFC2 Antibody (N-term) (Cat#AW5133). AW5133 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).



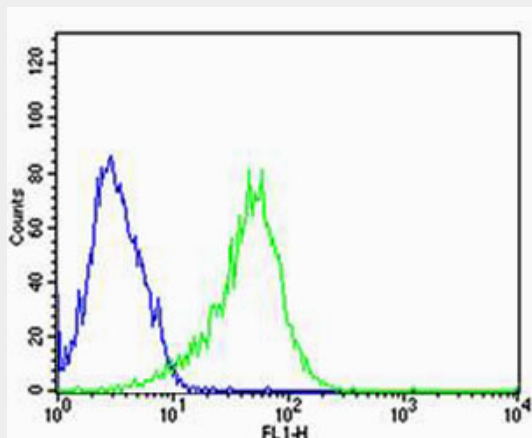
Western blot analysis of lysates from Hela cell line, human kidney tissue, HepG2, U-87 MG, U-251 MG cell line (from left to right), using NDUFC2 Antibody (N-term)(Cat. #AW5133). AW5133 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



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.



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.



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 IgG at 1:400 dilution was used as the secondary antibody.

### **NDUFC2 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.

### **NDUFC2 Antibody (N-term) - 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.