

**NDUFC2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20601a**

**Specification**

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

Application	IF, WB, IHC-P, FC,E
Primary Accession	<a href="#">O95298</a>
Other Accession	<a href="#">E9PQ53</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

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

**Gene ID** 4718

**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

**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.

**Dilution**

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

**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**

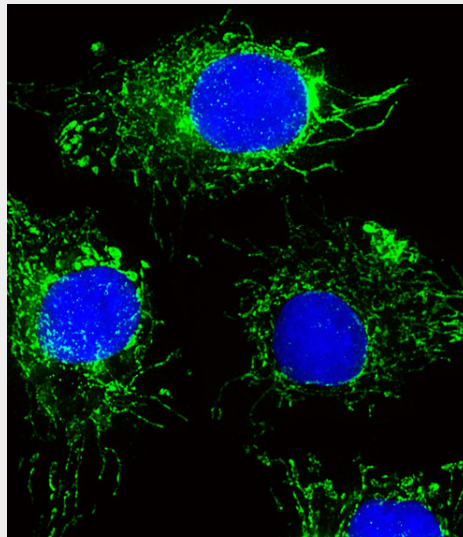
Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

**NDUFC2 Antibody (N-term) - Protocols**

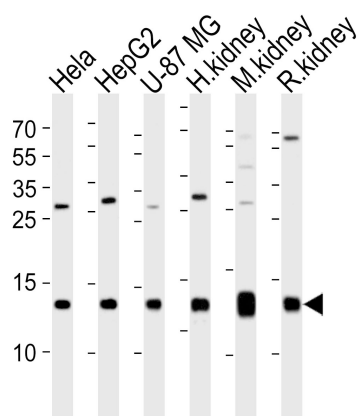
Provided below are standard protocols that you may find useful for product applications.

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

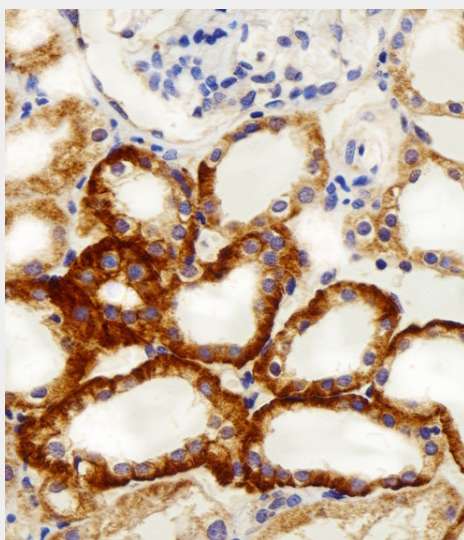
**NDUFC2 Antibody (N-term) - Images**



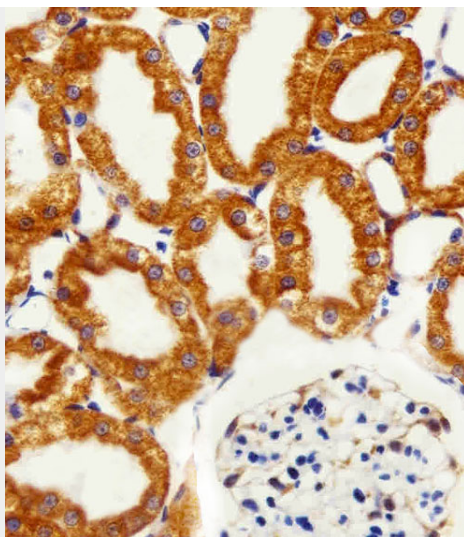
Fluorescent image of HepG2 cells stained with NDUFC2 Antibody (N-term) (Cat#AP20601a). AP20601a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).



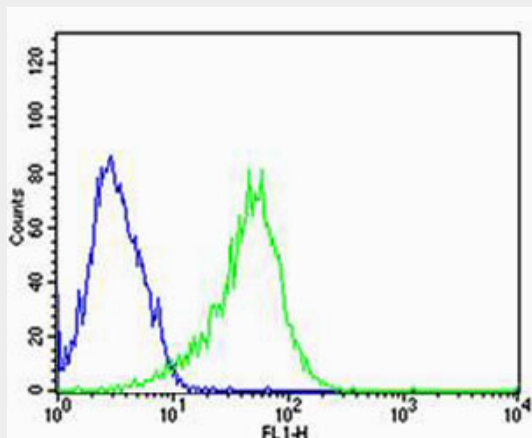
Western blot analysis of lysates from HeLa, HepG2, U-87 MG cell line, human kidney, mouse kidney and rat kidney tissue lysate (from left to right), using NDUFC2 Antibody (N-term)(Cat. # AP20601a). AP20601a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Immunohistochemical analysis of paraffin-embedded H. kidney section using NDUFC2 Antibody (N-term)(Cat#AP20601a). AP20601a 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#AP20601a). AP20601a 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#AP20601a) compared to an isotype control of rabbit IgG(blue). AP20601a 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.