10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFC2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20601a

Specification

NDUFC2 Antibody (N-term) - Product Information

Application	**IF, WB, IHC-P, FC,E**
Primary Accession	O95298
Other Accession	E9PQ53
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.

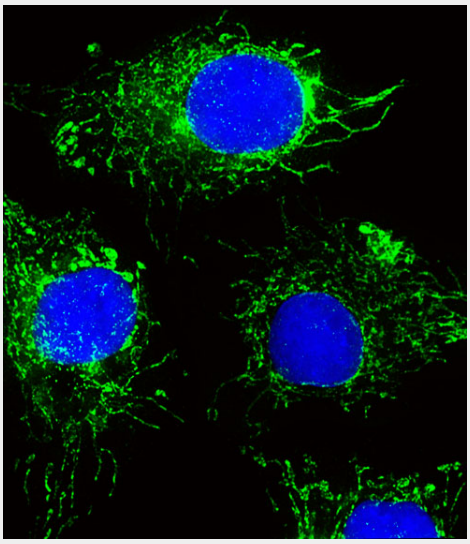
Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

NDUFC2 Antibody (N-term) - Protocols

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

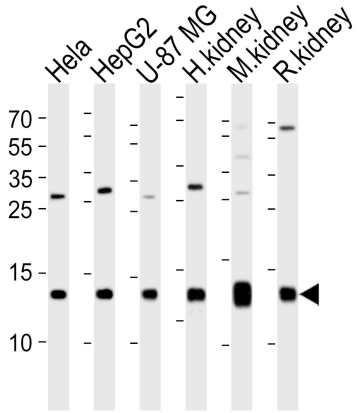
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NDUFC2 Antibody (N-term) - Images

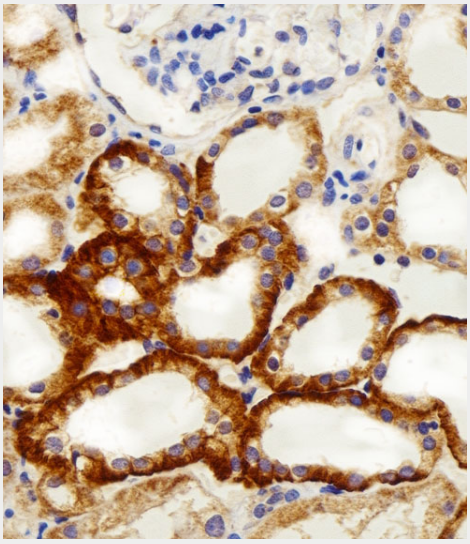


Fluorescent image of HepG2 cells stained with NDUFC2 Antibody (N-term) (Cat#AP20601a). AP20601a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).

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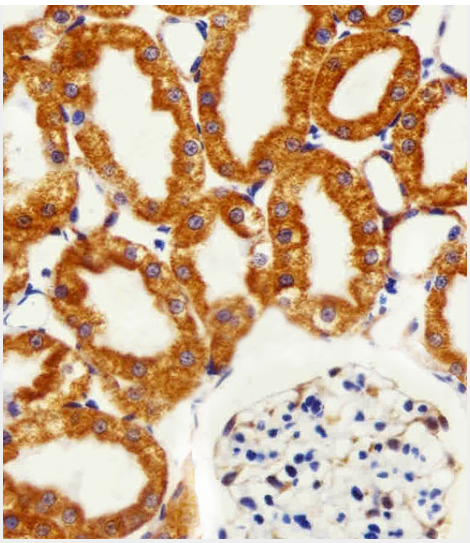


Western blot analysis of lysates from Hela, HepG2, U-87 MG cell line , human kidney, mouse kidney and rat kidney tissue lysate (from left to right), using NDUFC2 Antibody (N-term)(Cat. # AP20601a). AP20601a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used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

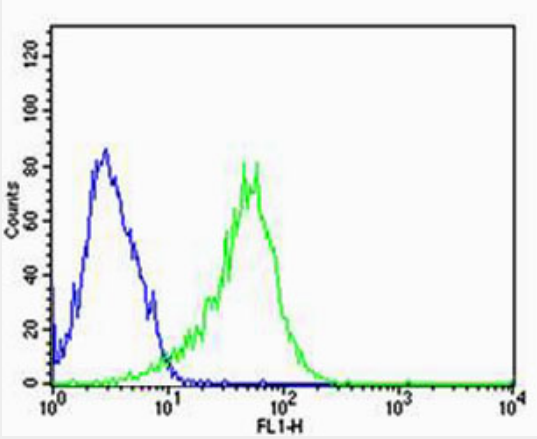


Immunohistochemical analysis of paraffin-embedded H. kidney section using NDUFC2 Antibody (N-term)(Cat#AP20601a). AP20601a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

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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.