

# NDUFC1 Rabbit pAb

NDUFC1 Rabbit pAb

Catalog # AP57390

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                       |
| <b>Primary Accession</b>       | <a href="#">O43677</a>                                                                                                                                                                                                                                                                 |
| <b>Predicted</b>               | Rat, Human, Mouse                                                                                                                                                                                                                                                                      |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                 |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                             |
| <b>Calculated MW</b>           | 8734                                                                                                                                                                                                                                                                                   |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human NDUFC1                                                                                                                                                                                                                             |
| <b>Epitope Specificity</b>     | 48-76/76                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                      |
| <b>SUBCELLULAR LOCATION</b>    | Mitochondrion inner membrane.                                                                                                                                                                                                                                                          |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                              |
| <b>Background Descriptions</b> | The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010] |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 4717                                                                                                                                                                                            |
| <b>Other Names</b> | NADH dehydrogenase [ubiquinone] 1 subunit C1, mitochondrial, Complex I-KFYI, CI-KFYI, NADH-ubiquinone oxidoreductase KFYI subunit, NDUFC1                                                       |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500<br>0-10000                                                                                                            |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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|-----------------|------------------------------------------------------------------------|
| <b>Name</b>     | NDUFC1                                                                 |
| <b>Function</b> | 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 {ECO:0000250|UniProtKB:Q02376};  
Single-pass membrane protein {ECO:0000250|UniProtKB:Q02376}; Matrix  
side {ECO:0000250|UniProtKB:Q02376}

## Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.