

**NDUFS1 Antibody**  
Rabbit mAb  
Catalog # AP92345

## Specification

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### NDUFS1 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">P28331</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CI-75kD; NDUFS1; PRO1304;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	79468 Da

### NDUFS1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human NDUFS1</b>
Description	<b>Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### NDUFS1 Antibody - Protein Information

**Name** NDUFS1

#### Function

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed: [30879903](http://www.uniprot.org/citations/30879903), PubMed: [31557978](http://www.uniprot.org/citations/31557978)). Essential for catalysing the entry and efficient transfer of electrons within complex I (PubMed: [31557978](http://www.uniprot.org/citations/31557978)). Plays a key role in the assembly and stability of complex I and participates in the association of complex I with ubiquinol-cytochrome reductase complex (Complex III) to form supercomplexes (PubMed:

<http://www.uniprot.org/citations/30879903> target="\_blank">30879903</a>, PubMed:<a href="http://www.uniprot.org/citations/31557978" target="\_blank">31557978</a>).

#### Cellular Location

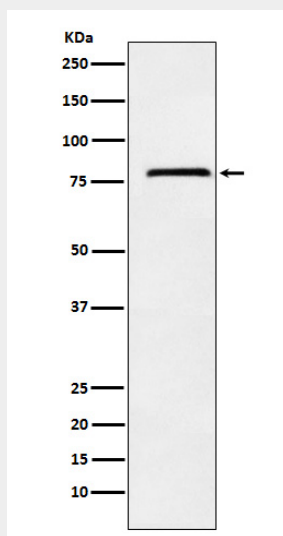
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P15690}; Matrix side {ECO:0000250|UniProtKB:P15690}

#### NDUFS1 Antibody - 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](#)

#### NDUFS1 Antibody - Images



Western blot analysis of NDUFS1 expression in Raji cell lysate.