

**NDUFS2 Antibody**  
Rabbit mAb  
Catalog # AP93048

## Specification

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### NDUFS2 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	<a href="#">O75306</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
Ndufs2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	52546 Da

### NDUFS2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human NDUFS2</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. The immediate electron acceptor for the enzyme is believed to be ubiquinone.</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>

### NDUFS2 Antibody - Protein Information

**Name** NDUFS2

#### 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: [22036843](http://www.uniprot.org/citations/22036843), PubMed: [28031252](http://www.uniprot.org/citations/28031252), PubMed: [30922174](http://www.uniprot.org/citations/30922174)). Essential for the catalytic activity of complex I (PubMed: [22036843](http://www.uniprot.org/citations/22036843), PubMed: [22036843](#)).

<http://www.uniprot.org/citations/30922174> target="\_blank">30922174</a>). Essential for the assembly of complex I (By similarity). Redox-sensitive, critical component of the oxygen-sensing pathway in the pulmonary vasculature which plays a key role in acute pulmonary oxygen-sensing and hypoxic pulmonary vasoconstriction (PubMed:<a href="http://www.uniprot.org/citations/30922174" target="\_blank">30922174</a>). Plays an important role in carotid body sensing of hypoxia (By similarity). Essential for glia-like neural stem and progenitor cell proliferation, differentiation and subsequent oligodendrocyte or neuronal maturation (By similarity).

#### Cellular Location

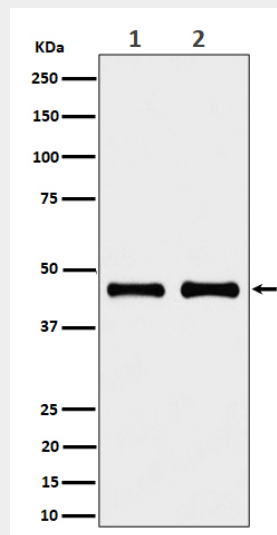
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q641Y2}; Matrix side {ECO:0000250|UniProtKB:Q641Y2}

#### NDUFS2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

#### NDUFS2 Antibody - Images



Western blot analysis of NDUFS2 expression in (1) HeLa cell lysate; (2) RAW264.7 HeLa cell lysate.