

**Anti-NDUFS2 Rabbit Monoclonal Antibody**  
Catalog # ABO16508**Specification****Anti-NDUFS2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">O75306</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-NDUFS2 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

**Anti-NDUFS2 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 4720

**Other Names**

NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial, 7.1.1.2, Complex I-49kD, CI-49kD, NADH-ubiquinone oxidoreductase 49 kDa subunit, NDUFS2

**Calculated MW**

45 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human NDUFS2

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-NDUFS2 Rabbit Monoclonal 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:<a href="http://www.uniprot.org/citations/22036843" target="\_blank">22036843</a>, PubMed:<a href="http://www.uniprot.org/citations/30922174" target="\_blank">30922174</a>, PubMed:<a href="http://www.uniprot.org/citations/28031252" target="\_blank">28031252</a>). Essential for the catalytic activity of complex I (PubMed:<a href="http://www.uniprot.org/citations/22036843" target="\_blank">22036843</a>, PubMed:<a href="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

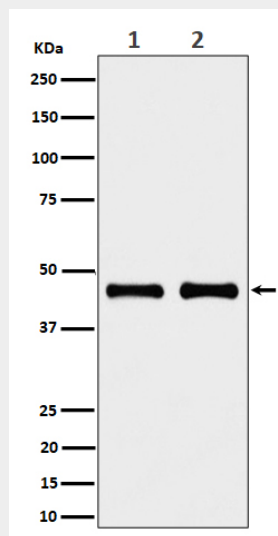
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q641Y2}; Matrix side {ECO:0000250|UniProtKB:Q641Y2}

### Anti-NDUFS2 Rabbit Monoclonal 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](#)

### Anti-NDUFS2 Rabbit Monoclonal Antibody - Images



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

lysate.