

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

Application	WB, IHC, IP
Primary Accession	O75306
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
IHC 1:50-1:200
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:22036843, PubMed:28031252, PubMed:30922174). Essential for the catalytic activity of complex I (PubMed:22036843, PubMed:30922174). 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:30922174). 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

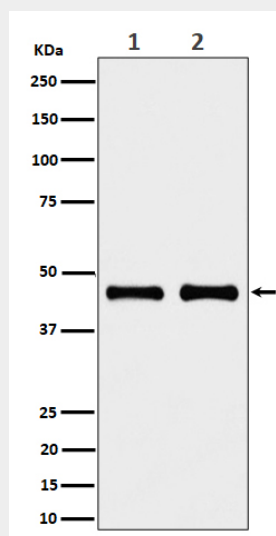
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q641Y2}; Matrix side {ECO:0000250|UniProtKB:Q641Y2}

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.