

Anti-NDUFS3 Monoclonal Antibody Catalog # ABO14484

Specification

Anti-NDUFS3 Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	O75489
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-NDUFS3 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-NDUFS3 Monoclonal Antibody - Additional Information

Gene ID 4722

Other Names

NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial, 7.1.1.2, Complex I-30kD, CI-30kD, NADH-ubiquinone oxidoreductase 30 kDa subunit, NDUFS3

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 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 NDUFS3 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.

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-NDUFS3 Monoclonal Antibody - Protein Information

Name NDUFS3

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: [14729820](http://www.uniprot.org/citations/14729820), PubMed: [30140060](http://www.uniprot.org/citations/30140060)). Essential for the catalytic activity and assembly of complex I (PubMed: [14729820](http://www.uniprot.org/citations/14729820), PubMed: [24028823](http://www.uniprot.org/citations/24028823), PubMed: [30140060](http://www.uniprot.org/citations/30140060)).

Cellular Location

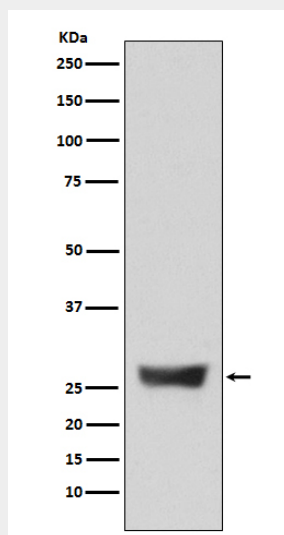
Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Anti-NDUFS3 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-NDUFS3 Monoclonal Antibody - Images



Western blot analysis of NDUFS3 expression in 293T cell lysate.