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NDUFAB1 Rabbit mAb
Catalog # AP78830

Specification

NDUFAB1 Rabbit mAb - Product Information

Application	**WB, IHC-P, FC, IP**
Primary Accession	O14561
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**17417**

NDUFAB1 Rabbit mAb - Additional Information

Gene ID 4706

Other Names
NDUFAB1

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
FC~~1:10~50
IP~~N/A

Format
Liquid

NDUFAB1 Rabbit mAb - Protein Information

Name NDUFAB1 (HGNC:7694)

Function
Carrier of the growing fatty acid chain in fatty acid biosynthesis (By similarity) (PubMed:27626371). Accessory and non- catalytic subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain (PubMed:27626371). Accessory protein, of the core iron-sulfur cluster (ISC) assembly complex, that regulates, in association with LYRM4, the stability and the cysteine desulfurase activity of NFS1 and participates in the [2Fe-2S] clusters assembly on the scaffolding protein ISCU (PubMed:31664822). The core iron-sulfur cluster (ISC) assembly complex is involved in the de novo synthesis of a [2Fe-2S] cluster, the first step of the mitochondrial iron-sulfur protein biogenesis. This process is initiated by the cysteine desulfurase complex (NFS1:LYRM4:NDUFAB1) that produces persulfide which is delivered on the scaffold protein ISCU in a FXN- dependent manner. Then this complex is stabilized by FDX2 which provides reducing equivalents to accomplish the [2Fe-2S] cluster assembly. Finally, the [2Fe-2S] cluster is transferred from ISCU to chaperone proteins, including HSCB, HSPA9 and

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GLRX5 (By similarity).

Cellular Location
Mitochondrion

NDUFAB1 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NDUFAB1 Rabbit mAb - Images