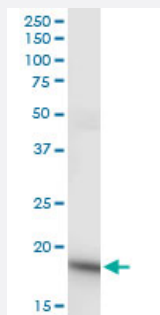


NDUFS4 monoclonal antibody (M03), clone 3F11

Catalog # H00004724-M03

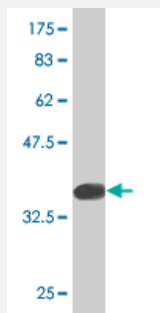
Size 100 ug

Applications



Western Blot (Tissue lysate)

NDUFS4 monoclonal antibody (M03), clone 3F11. Western Blot analysis of NDUFS4 expression in human kidney.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NDUFS4.
Immunogen	NDUFS4 (NP_002486, 66 a.a. ~ 175 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GVPEEHIKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTF STKEDAVSFAEKNGWSYDIEERKVPKPKSKSYGANFSWNKRTRVSTK
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

NDUFS4 monoclonal antibody (M03), clone 3F11. Western Blot analysis of NDUFS4 expression in human kidney.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NDUFS4

Entrez GeneID

[4724](#)

GeneBank Accession#

[NM_002495](#)

Protein Accession#

[NP_002486](#)

Gene Name

NDUFS4

Gene Alias

AQDQ

Gene Description

NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)

Omim ID

[252010](#) [256000](#) [602694](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes. [provided by RefSeq]

Other Designations

NADH dehydrogenase (ubiquinone) Fe-S protein 4|NADH dehydrogenase (ubiquinone) iron-sulfur protein 4|NADH-coenzyme Q reductase, 18-KD|NADH-ubiquinone oxidoreductase 18 kDa subunit|mitochondrial respiratory chain complex I (18-KD subunit)

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)