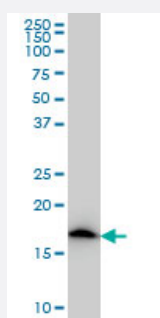


NDUFS4 monoclonal antibody (M01A), clone 1A1

Catalog # H00004724-M01A

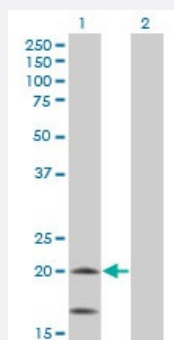
Size 200 uL

Applications



Western Blot (Cell lysate)

NDUFS4 monoclonal antibody (M01A), clone 1A1 Western Blot analysis of NDUFS4 expression in A-431 (Cat # L015V1).

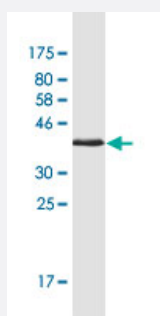


Western Blot (Transfected lysate)

Western Blot analysis of NDUFS4 expression in transfected 293T cell line by NDUFS4 monoclonal antibody (M01A), clone 1A1.

Lane 1: NDUFS4 transfected lysate(20.1 KDa).

Lane 2: Non-transfected lysate.



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

Applications

- Western Blot (Cell lysate)

NDUFS4 monoclonal antibody (M01A), clone 1A1 Western Blot analysis of NDUFS4 expression in A-431 (Cat # L015V1).

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- Western Blot (Transfected lysate)

Western Blot analysis of NDUFS4 expression in transfected 293T cell line by NDUFS4 monoclonal antibody (M01A), clone 1A1.

Lane 1: NDUFS4 transfected lysate(20.1 KDa).

Lane 2: Non-transfected lysate.

[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](#)