

Datasheet

NDUFS4 monoclonal antibody (M01A), clone 1A1

Catalog Number: H00004724-M01A

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant NDUFS4.

Clone Name: 1A1

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:

GVPEEHIKTRKVRIFVPARNNMQSGVNNNTKKWKMEFD
TRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFA
EKNQWSYDIEERKVPKPKSKSYGANFSWNKRTRVST
K

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In ascites fluid

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

Entrez GeneID: 4724

Gene Symbol: NDUFS4

Gene Alias: AQDQ

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]