

Datasheet

NDUFA1 monoclonal antibody (M01), clone 3B9-1A1

Catalog Number: H00004694-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant NDUFA1.

Clone Name: 3B9-1A1

Immunogen: NDUFA1 (AAH00266, 24 a.a. ~ 70 a.a)
full-length recombinant protein with GST tag. MW of the
GST tag alone is 26 KDa.

Sequence:

AYIHRFTNGGKEKRVAFHFGYHWSLMERDRRISGVDRY
YVSKGLENID

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re

(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: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 4694

Gene Symbol: NDUFA1

Gene Alias: CI-MWFE, MWFE, ZNF183

Gene Summary: The human NDUFA1 gene codes for
an essential component of complex I of the respiratory
chain, which transfers electrons from NADH to
ubiquinone. It has been noted that the N-terminal
hydrophobic domain has the potential to be folded into

an alpha-helix spanning the inner mitochondrial
membrane with a C-terminal hydrophilic domain
interacting with globular subunits of complex I. The
highly conserved two-domain structure suggests that this
feature is critical for the protein function and might act as
an anchor for the NADH:ubiquinone oxidoreductase
complex at the inner mitochondrial membrane. However,
the NDUFA1 peptide is one of about 31 components of
the "hydrophobic protein" (HP) fraction of complex I
which is involved in proton translocation. Thus the
NDUFA1 peptide may also participate in that function.
[provided by RefSeq]