Mouse NDUFA7 Monoclonal Antibody | anti-NDUFA7 antibody

NDUFA7 antibody

CATALOG #	HOST	APPLICATIONS
AAA107401	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

NDUFA7; Monoclonal Antibody; NDUFA7 antibody; Monoclonal NDUFA7; Anti-NDUFA7; NADH dehydrogenase 1 alpha subcomplex 7; Complex I-B14.5a; NADH-ubiquinone oxidoreductase subunit B14.5a; NADH dehydrogenase ubiquinone 1 alpha subcomplex subunit 7; NDUFA 7; NDUFA-7; anti-NDUFA7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2 E3
Purity/Purification	NDUFA7 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	113
Applicable Applications for anti-NDUFA7 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	NDUFA7 is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to therespiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Cross-Reactivity	Human
Immunogen	NDUFA7 antibody was raised in mouse using a full length recombinant protein of human NDUFA7 (NP_004992) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant NDUFA7 protein using NDUFA7 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NDUFA7 protein (Right) or empty vector (Left) detected with NDUFA7 antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant NDUFA7 protein (red) or empty vector (blue) stained using NDUFA7 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA7 antibody	Mouse monoclonal NDUFA7 antibody
Product Categories/Family for anti-NDUFA7 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	103472001
NCBI GeneID	4701
NCBI Accession #	NP_004992
NCBI GenBank Nucleotide #	NM_005001.3
UniProt Accession #	O95182
Molecular Weight	12,551 Da
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa
NCBI Official Symbol	NDUFA7
NCBI Official Synonym Symbols	B14.5a
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7
UniProt Gene Name	**NDUFA7**
UniProt Synonym Gene Names	CI-B14.5a
UniProt Entry Name	NDUA7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ndufa7-antibody-clone-2-e3-western-blot-immunofluorescence-flow-cytometry-elisa/107401