NDUFS7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NDUFS7, Monoclonal Antibody
Full Product Name	NDUFS7 (NADH Dehydrogenase [Ubiquinone] Iron-sulfur Protein 7, Mitochondrial, Complex I-20kD, CI-20kD, NADH-ubiquinone Oxidoreductase 20kD Subunit, PSST Subunit, MGC120002, FLJ46880, FLJ45860) APC
Product Gene Name	anti-NDUFS7 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3A3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human NDUFS7.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,564 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (1383883..1395588). Location: 19p13.3
3D Structure	ModBase 3D Structure for Q7LD69
Immunogen	Partial recombinant protein corresponding to aa114-214 from human NDUFS7 (NP_077718) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PRQSDVMIVAGTLTNKMAPALRKVYDQMPEPRYVVSMGSCANGGGYYHYSYSVVRGCDRIVPVDIYIPGCPPTAEALLYGILQLQRKIKRERRLQIWYRR
Conjugate	APC
Product Categories/Family for anti-NDUFS7 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-NDUFS7 antibody	ELISA (EIA)
Application Notes for anti-NDUFS7 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-NDUFS7 antibody	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Other Notes	Small volumes of anti-NDUFS7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NDUFS7 purchase	MBS6137828 is an antibody targeting NDUFS7. Also known as NDUFS7 (NADH Dehydrogenase [Ubiquinone] Iron-sulfur Protein 7, Mitochondrial, Complex I-20kD, CI-20kD, NADH-ubiquinone Oxidoreductase 20kD Subunit, PSST Subunit, MGC120002, FLJ46880, FLJ45860) APC. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFS7. It may not necessarily be applicable to this product.

NCBI GI #	187281616
NCBI GeneID	374291
NCBI Accession #	NP_077718
UniProt Primary Accession #	Q7LD69
UniProt Related Accession #	O75251
GenBank Nucleotide #	NM_024407
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)
NCBI Official Symbol	NDUFS7
NCBI Official Synonym Symbols	PSST; CI-20; MY017; CI-20KD
UniProt Protein Name	NADH-ubiquinone oxidoreductase Fe-S protein 7 variant
Protein Family	NADH dehydrogenase [ubiquinone] iron-sulfur protein
UniProt Entry Name	Q7LD69_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; PSST subunit; complex I-20kD; complex I 20kDa subunit; NADH-coenzyme Q reductase; NADH:ubiquinone oxidoreductase PS
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