NDUFB3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NDUFB3, Monoclonal Antibody
Full Product Name	NDUFB3 (NADH Dehydrogenase [Ubiquinone] 1 beta Subcomplex Subunit 3, NADH-Ubiquinone Oxidoreductase B12 Subunit, Complex I-B12, CI-B12) (MaxLight 750)
Product Gene Name	anti-NDUFB3 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6C6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human NDUFB3.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	603839
3D Structure	ModBase 3D Structure for O43676
Immunogen	Partial recombinant corresponding to aa13-65 from human NDUFB3 (NP_002482) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KMELPDYRQWKIEGTPLETIQKKLAAKGLRDPWGRNEAWRYMGGFAKSVSFSD
Conjugate	MaxLight750
Product Categories/Family for anti-NDUFB3 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-NDUFB3 antibody	FLISA, Western Blot (WB)
Application Notes for anti-NDUFB3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NDUFB3 antibody	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 the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Other Notes	Small volumes of anti-NDUFB3 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 NDUFB3 purchase	MBS6234083 is an antibody targeting NDUFB3. Also known as NDUFB3 (NADH Dehydrogenase [Ubiquinone] 1 beta Subcomplex Subunit 3, NADH-Ubiquinone Oxidoreductase B12 Subunit, Complex I-B12, CI-B12) (MaxLight 750). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFB3. It may not necessarily be applicable to this product.

NCBI GI #	4505361
NCBI GeneID	4709
NCBI Accession #	NP_002482
UniProt Primary Accession #	O43676
UniProt Related Accession #	O43676
GenBank Nucleotide #	NM_002491
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit B3
NCBI Official Symbol	NDUFB3
NCBI Official Synonym Symbols	B12; CI-B12; MC1DN25
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3
UniProt Synonym Protein Names	Complex I-B12; CI-B12; NADH-ubiquinone oxidoreductase B12 subunit
Protein Family	NADH dehydrogenase
UniProt Gene Name	NDUFB3
UniProt Synonym Gene Names	CI-B12
UniProt Entry Name	NDUB3_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3
NCBI Summary for NDUFB3	This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is the first enzyme in the electron transport chain of mitochondria. This protein localizes to the inner membrane of the mitochondrion as a single-pass membrane protein. Mutations in this gene contribute to mitochondrial complex 1 deficiency. Alternative splicing results in multiple transcript variants encoding the same protein. Humans have multiple pseudogenes of this gene. [provided by RefSeq, Mar 2012]
Research Articles on NDUFB3	**1.** Recessive mutations in NDUFB3 cause complex I deficiency
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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