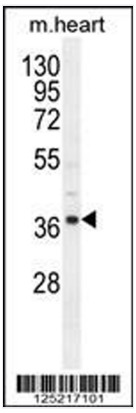
NDUF3 Antibody – Rabbit Polyclonal

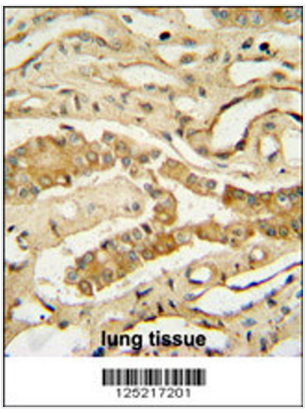
PRODUCT OVERVIEW

Product Name	NDUF3, Polyclonal Antibody
Full Product Name	NDUF3, NT (NDUFAF3, C3orf60, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3) (Biotin)
Product Gene Name	anti-NDUF3 antibody
Product Synonym Gene Name	NDUFAF3
Product Synonym Names	NDUFAF3; C3orf60; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	252010
3D Structure	ModBase 3D Structure for Q9BU61
Immunogen	NDUF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human NDUF3.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-NDUF3 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-NDUF3 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-NDUF3 antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NDUF3 antibody	This gene encodes a mitochondrial complex I assembly protein that interacts with complex I subunits. Mutations in this gene cause mitochondrial complex I deficiency, a fatal neonatal disorder of the oxidative phosphorylation system. Alternatively spliced transcript variants encoding different isoforms have been identified.
Product References and Citations for anti-NDUF3 antibody	Saada, A., et al. Am. J. Hum. Genet. 84(6):718-727(2009). Hammami-Hamza, S., et al. Int. J. Dev. Biol. 47(1):71-76(2003). Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000).
Other Notes	Small volumes of anti-NDUF3 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 NDUF3 purchase	MBS6324344 is an antibody targeting NDUF3. Also known as NDUF3, NT (NDUFAF3, C3orf60, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3) (Biotin). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-NDUF3 antibody
NDUF3 Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the NDUF3 antibody detected the NDUF3 protein (arrow).



Immunohistochemistry (IHC) of anti-NDUF3 antibody
NDUF3 antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDUF3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUF3. It may not necessarily be applicable to this product.

NCBI GI #	41327781
NCBI GeneID	25915
NCBI Accession #	NP_951032.1
UniProt Primary Accession #	Q9BU61
UniProt Related Accession #	Q9BU61
GenBank Nucleotide #	NM_199069.1
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase complex assembly factor 3
NCBI Official Symbol	NDUFAF3
NCBI Official Synonym Symbols	2P1; E3-3; C3orf60; MC1DN18
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3
UniProt Gene Name	NDUFAF3
UniProt Synonym Gene Names	C3orf60
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3
UniProt Comments for NDUF3	Essential factor for the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I).
Research Articles on NDUF3	**1.** Observational study of gene-disease association. (HuGE Navigator)
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/nduf3/6324344