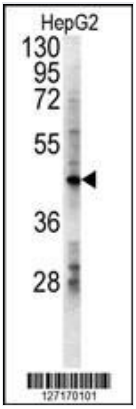
LDHD Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LDHD, Polyclonal Antibody
Full Product Name	LDHD, NT (LDHD, Probable D-lactate dehydrogenase, mitochondrial) (Azide free) (HRP)
Product Gene Name	anti-LDHD antibody
Product Synonym Names	LDHD; Probable D-lactate dehydrogenase, mitochondrial
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
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. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	52,144 Da
OMIM	AY092767 mRNA
3D Structure	ModBase 3D Structure for Q86WU2
Immunogen	LDHD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-71 amino acids from the N-terminal region of human LDHD.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-LDHD antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-LDHD antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-LDHD antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-LDHD antibody	LDHD belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq].
Product References and Citations for anti-LDHD antibody	Dastani, Z., et al. Eur. J. Hum. Genet. (2009). In press: Flick, M.J., et al. Biochem. Biophys. Res. Commun. 295(4):910-916(2002).
Other Notes	Small volumes of anti-LDHD 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.

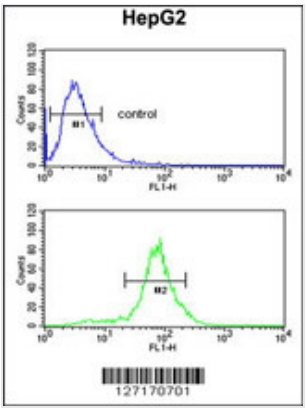
Searchable Terms for LDHD purchase	MBS6315639 is an antibody targeting LDHD. Also known as LDHD, NT (LDHD, Probable D-lactate dehydrogenase, mitochondrial) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LDHD antibody
LDHD Antibody (N-term) western blot analysis in HepG2 cell line lysates (15ug/lane).This demonstrates the LDHD antibody detected the LDHD protein (arrow).



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



Flow Cytometry (FC/FACS) of anti-LDHD antibody
LDHD Antibody (N-term) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

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

NCBI GI #	37595754
NCBI GeneID	197257
NCBI Accession #	NP_705690.2
UniProt Primary Accession #	Q86WU2
UniProt Secondary Accession #	Q8IZK5
UniProt Related Accession #	Q86WU2
GenBank Nucleotide #	NM_153486.3
NCBI Official Full Name	probable D-lactate dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	lactate dehydrogenase D
NCBI Official Symbol	LDHD
NCBI Official Synonym Symbols	DLD

UniProt Protein Name	Probable D-lactate dehydrogenase, mitochondrial
Protein Family	Probable D-lactate dehydrogenase
UniProt Gene Name	LDHD
UniProt Synonym Gene Names	DLD; Lactate dehydrogenase D
NCBI Protein Information	probable D-lactate dehydrogenase, mitochondrial
NCBI Summary for LDHD	The protein encoded by this gene belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]
Research Articles on LDHD	**1.** The activity and expression of the mitochondrial D-lactate dehydrogenase, is higher in prostate cancer versus normal prostate cells.
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-antibody/ldhd/6315639