LDHB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LDHB, Polyclonal Antibody
Full Product Name	LDHB Rabbit pAb
Product Gene Name	anti-LDHB antibody
Product Synonym Names	LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	37kDa
OMIM	gene 614128
3D Structure	ModBase 3D Structure for P07195
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-334 of human LDHB (NP_002291.1).
Cellular Localization	Cytoplasm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LDHB antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-LDHB antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-LDHB antibody	MBS8546923 is an antibody targeting LDHB. Also known as LDHB Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-LDHB 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.

ADDITIONAL DETAILS

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

NCBI GI #	126041
NCBI GeneID	3945
NCBI Accession #	P07195.2
UniProt Primary Accession #	P07195

UniProt Related Accession #	P07195
NCBI Official Full Name	L-lactate dehydrogenase B chain
NCBI Official Synonym Full Names	lactate dehydrogenase B
NCBI Official Symbol	LDHB
NCBI Official Synonym Symbols	LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Synonym Protein Names	LDH heart subunit; LDH-H; Renal carcinoma antigen NY-REN-46
Protein Family	L-lactate dehydrogenase
UniProt Gene Name	LDHB
UniProt Synonym Gene Names	LDH-B; LDH-H
UniProt Entry Name	LDHB_HUMAN
NCBI Protein Information	L-lactate dehydrogenase B chain
NCBI Summary for LDHB	This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+ in a post-glycolysis process. Alternatively spliced transcript variants have been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Feb 2016]
Research Articles on LDHB	**1.** Knockout of both LDH-A and LDH-B leads to suppression of glycolysis.
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