

LDH-B (L-lactate dehydrogenase B chain) Polyclonal Antibody | anti-LDH-B antibody

LDH-B (L-lactate dehydrogenase B chain) Antibody

CATALOG # AAA111219	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

LDH-B (L-lactate dehydrogenase B chain); Polyclonal Antibody; LDH-B (L-lactate dehydrogenase B chain) Antibody; anti-LDH-B antibody

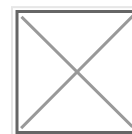
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to near C-terminal residues of LDH-B.
Purity/Purification	Affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 25% Glycerol.
Sequence Length	334
Applicable Applications for anti-LDH-B antibody	WB (Western Blot)
Preservative	0.05% Sodium Azide.
Cellular Localization	Cytoplasm
Positive Control	Hela/Mouse Brain
Preparation and Storage	Store at +4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-LDH-B antibody

Lactate dehydrogenase (LDH) is an enzyme present in a wide variety of organisms, including plants and animals. It catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. In medicine, LDH is often used as a marker of tissue breakdown as LDH is abundant in red blood cells and can function as a marker for hemolysis. In mammals, three types of LDH subunits (35 kDa) are encoded by the genes Ldh-A, Ldh-B, and Ldh-C. Lactate dehydrogenase B (LDH-B, heart subunit, LDH-H) is involved in the conversion of L-lactate and NAD to pyruvate and NADH and it is predominantly localized in the heart tissue. Similar to other LDH subunit, LDH-B is considered to be an important marker for germ cell tumor.

References	1. Takeno T., Li S.S.-L.; "Structure of the human lactate dehydrogenase B gene."; Biochem. J. 2.7:92.92.(1.89). 2. The MGC Project Team; "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)."; Genome Res. 1.:2.1.2.7(2.04). 3. Sakai I., Sharief F.S., Pan Y.-C.E., Li S.S.-L.; "The cDNA and protein sequences of human lactate dehydrogenase B."; Biochem. J. 2.8:93.-93.(1.87).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291575128
NCBI GeneID	3945
NCBI Accession #	NP_001167568.1
NCBI GenBank Nucleotide #	NM_001174097.2
UniProt Accession #	P07195
Molecular Weight	37kDa
NCBI Official Full Name	L-lactate dehydrogenase B chain isoform LDHB
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
NCBI Protein Information	L-lactate dehydrogenase B chain
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Gene Name	LDHB
UniProt Synonym Gene Names	LDH-B; LDH-H

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.