10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Lactate Dehydrogenase Recombinant Rabbit mAb

Catalog # AP96618

Product Information

Application	WB, IHC-P, IHC-F, IF, IP
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	37 KDa
Physical State	Liquid
Epitope Specificity	KLH conjugated synthetic peptide derived from human LDHB
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300.
SIMILARITY	Belongs to the LDH/MDH superfamily. LDH family.
SUBUNIT	Homotetramer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Recent studies have shown that two protein isoforms are produced from the same mRNA by use of alternative in-frame translation termination codons via a stop codon readthrough mechanism, and that these C-terminally distinct isoforms have different subcellular localization. Alternatively spliced transcript variants have also been found for this gene. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Oct 2015]

Additional Information

Other Names	HEL-S-281; LDH-B; LDH-H; LDHBD; TRG-5; H-Ldh; Ldh-2; Ldh2; LDHB_HUMAN; LDHB; LDH heart subunit (LDH-H); Renal carcinoma antigen NY-REN-46; 1.1.1.27; LDHB_MOUSE; LDHB_RAT; lactate dehydrogenase B
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1:50-100,ICC/IF=1:50-200,IP=1:20-50
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	Lactate Dehydrogenase Recombinant Rabbit mAb
Function	This protein is involved in step 1 of the subpathway that synthesizes (S)-lactate from pyruvate.This subpathway is part of the pathway pyruvate fermentation to lactate, which is itself part of Fermentation. View all proteins

of this organism that are known to be involved in the subpathway that synthesizes (S)-lactate from pyruvate, the pathway pyruvate fermentation to lactate and in Fermentation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.