

LDHB Recombinant Mouse mAb

Catalog # AP96488

Product Information

Application	WB
Predicted	Rat, Human
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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=1:5000-20000, ICC/IF=1:100-500
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	LDHB Recombinant Mouse 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'.