LDHB Rabbit mAb

Catalog No.: A5131 Recombinant 1 Publications



Basic Information

Observed MW

36kDa

Calculated MW

37kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human, Rat

CloneNo number

ARC1217

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IP 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID3945

Swiss Prot
P07195

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281; LDHB

Contact

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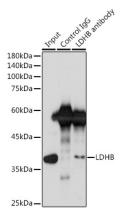
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

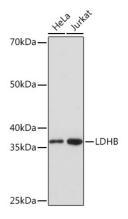
Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300 μ g extracts of Jurkat cells using 3 μ g LDHB antibody (A5131). Western blot was performed from the immunoprecipitate using LDHB antibody (A5131) at a dilution of 1:1000.

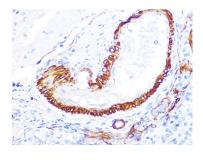


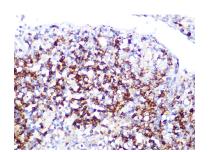
Western blot analysis of various lysates using LDHB Rabbit mAb (A5131) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.





Immunohistochemistry analysis of paraffinembedded Rat ovary using LDHB Rabbit mAb (A5131) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunohistochemistry analysis of paraffinembedded Human appendix using LDHB Rabbit mAb (A5131) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.