

A5131

Leader in Biomolecular Solutions for Life Science



LDHB Rabbit mAb

Catalog No.: A5131

Recombinant

1 Publications

Basic Information

Observed MW

36kDa

Calculated MW

37kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Rat

CloneNo number

ARC1217

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.

Contact



www.abclonal.com

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.

Immunogen Information

Gene ID

3945

Swiss Prot

P07195

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human LDHB (P07195).

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

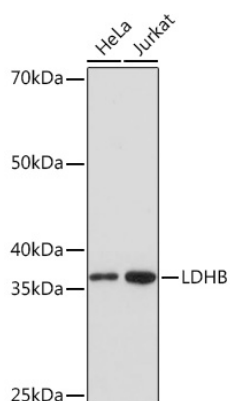
Affinity purification

Storage

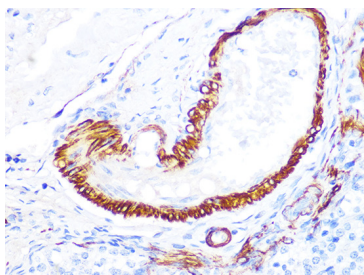
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

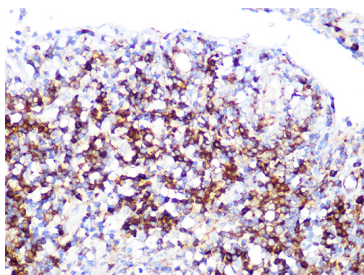
Validation Data



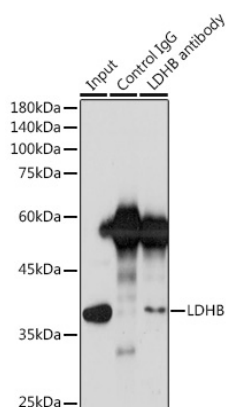
Western blot analysis of various lysates using LDHB Rabbit mAb (A5131) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded 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 paraffin-embedded 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.



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