

LDHB Rabbit mAb

Catalog NO.: A5131 **Recombinant** **2 Publications**

Basic Information

Observed MW

36kDa

Calculated MW

37kDa

Category

Monoclonal Antibodies

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human, Rat

Conjugation

Unconjugated

Clone 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.

Contact

Immunogen Information

Gene ID	Swiss Prot
3945	P07195

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

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

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

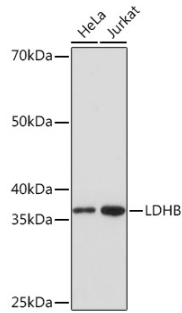
Affinity purification

Storage

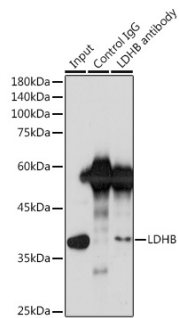
Store at -20°C. Avoid freeze / thaw cycles.

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.

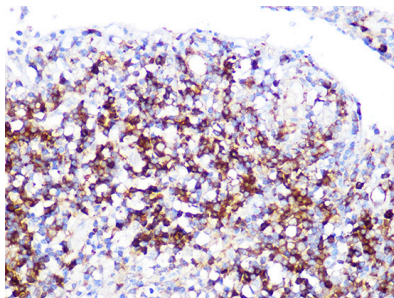
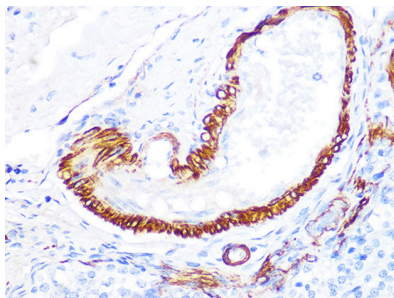
Validation Data



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.



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.



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.