



# LDHB Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-07878                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reactivity</b>         | Human;Rat;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>          | LDHB                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Name</b>       | L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>          | Synthesized peptide derived from part region of human protein. AA range 65-105                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>        | LDHB Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                            |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Observed Band</b>      | 36kD                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cell Pathway</b>       | Cytoplasm. Mitochondrion inner membrane ; Peripheral membrane protein .                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b> | Predominantly expressed in aerobic tissues such as cardiac muscle.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>           | catalytic activity:(S)-lactate + NAD(+) = pyruvate + NADH.,disease:Defects in LDHB are a cause of hereditary LDHB deficiency [MIM:150100]. LDHB deficiency is usually asymptomatic.,online information:Lactate dehydrogenase entry,pathway:Fermentation; pyruvate fermentation to lactate; (S)-lactate from pyruvate: step 1/1.,similarity:Belongs to the LDH/MDH superfamily.,similarity:Belongs to the LDH/MDH superfamily. LDH family.,subunit:Homotetramer., |
| <b>Background</b>         | 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 <sup>+</sup> in a post-glycolysis process. Alternatively spliced transcript variants have been found for this gene. Recent studies have                                                                                                                                            |

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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. [provided by RefSeq, Feb 2016],

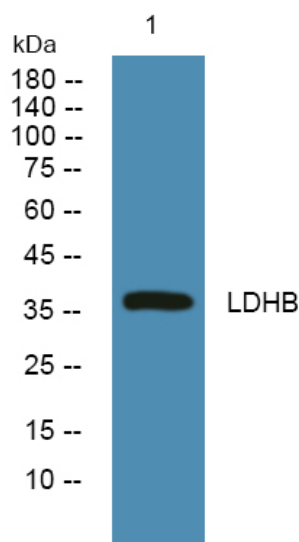
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night