

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **LDHB RABBIT PAB**

Cat.#: S222426

**Product Name:** Anti-LDHB Rabbit Polyclonal Antibody **Synonyms:** LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281 **UNIPROT ID:** P07195 (Gene Accession - NP\_002291)

**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: Synthetic peptide of human LDHB

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

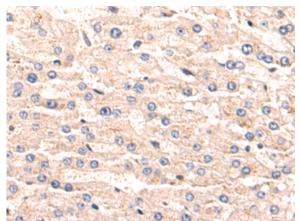
Research Areas: Metabolism, Cancer

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

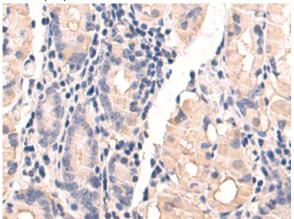


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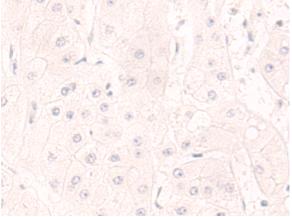
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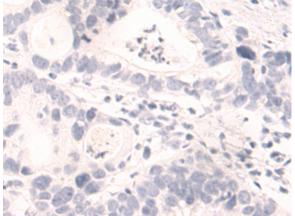
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 222426(LDHB Antibody) at a dilution of 1/50(Cytoplasm).



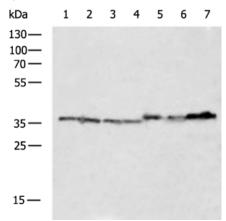
The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 222426(Anti-LDHB Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 222426(Anti-LDHB Antibody) at dilution 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with synthetic peptide and then with D264590(Anti-LDHB Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane 1-7: 293T, Jurkat, A549, Hela, Mouse heart tissue, Mouse kidney tissue, Mouse brain tissue lysates;

Primary antibody: 222426(LDHB Antibody) at dilution 1/800;

Secondary antibody: HRP-conjugated Goat antirabbit IgG at 1/5000 dilution;

Exposure time: 5 seconds



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