

**Anti-LDHA Picoband Antibody**  
**Catalog # ABO11693****Specification**

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**Anti-LDHA Picoband Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P00338</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for L-lactate dehydrogenase A chain(LDHA) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-LDHA Picoband Antibody - Additional Information**

**Gene ID** 3939

**Other Names**

L-lactate dehydrogenase A chain, LDH-A, 1.1.1.27, Cell proliferation-inducing gene 19 protein, LDH muscle subunit, LDH-M, Renal carcinoma antigen NY-REN-59, LDHA

**Calculated MW**

36689 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat  
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

**Subcellular Localization**

Cytoplasm.

**Protein Name**

L-lactate dehydrogenase A chain

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E. coli-derived human LDHA recombinant protein (Position: A2-R106). Human LDHA shares 94.3% amino acid (aa) sequence identity with both mouse and rat LDHA.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-LDHA Picoband Antibody - Protein Information**

**Name** LDHA ([HGNC:6535](#))

**Function**

Interconverts simultaneously and stereospecifically pyruvate and lactate with concomitant interconversion of NADH and NAD(+).

**Cellular Location**

Cytoplasm.

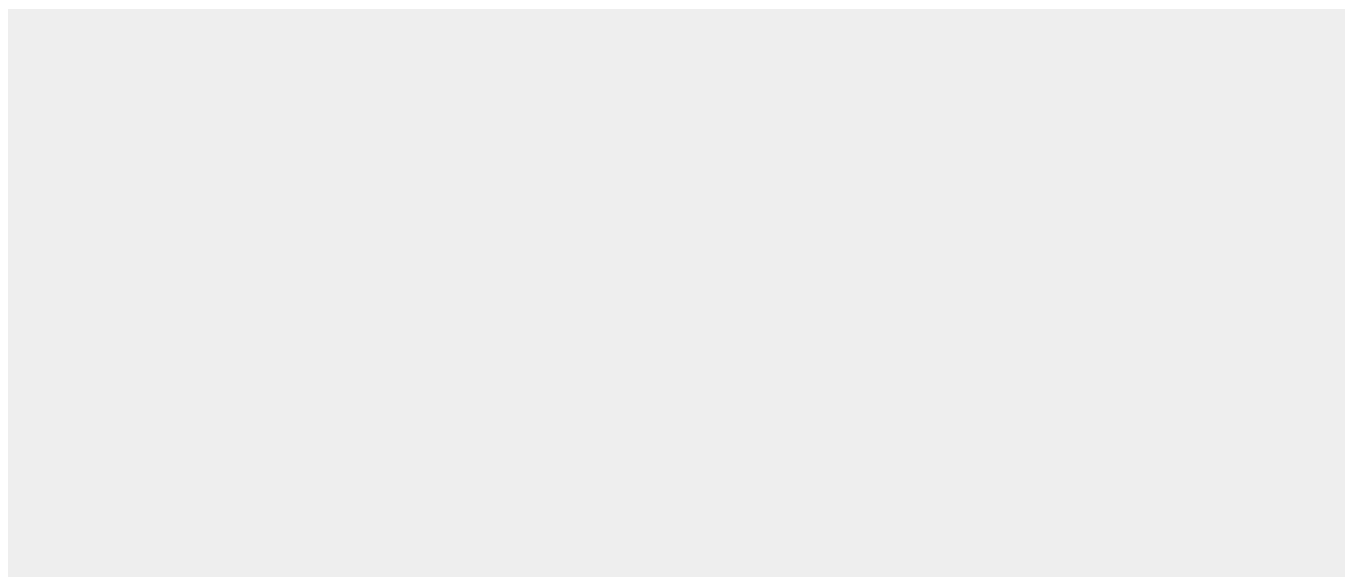
**Tissue Location**

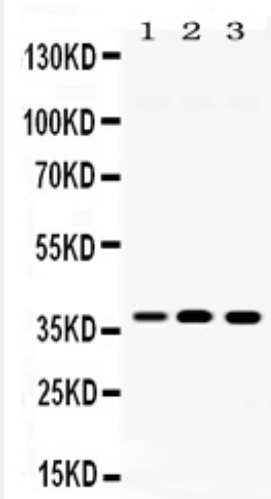
Predominantly expressed in anaerobic tissues such as skeletal muscle and liver.

**Anti-LDHA Picoband Antibody - Protocols**

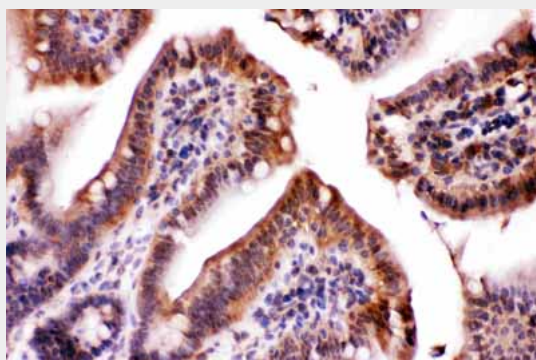
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

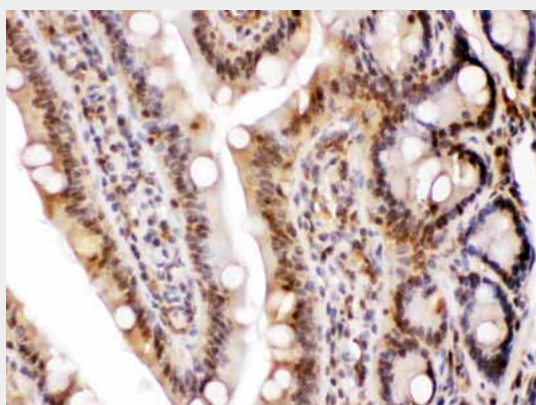
**Anti-LDHA Picoband Antibody - Images**



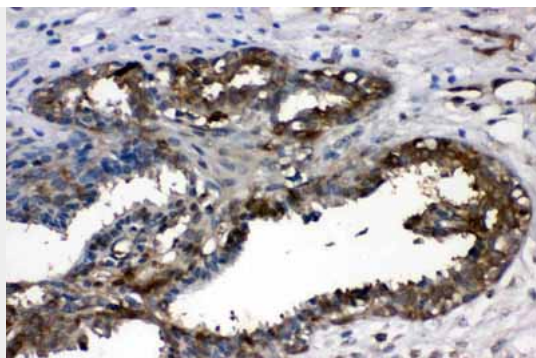
Western blot analysis of LDHA expression in rat spleen extract (lane 1), ANA-1 whole cell lysates (lane 2) and JURKAT whole cell lysates (lane 3). LDHA at 37KD was detected using rabbit anti-LDHA Antigen Affinity purified polyclonal antibody (Catalog # ABO11693) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .



LDHA was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti-LDHA Antigen Affinity purified polyclonal antibody (Catalog # ABO11693) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .



LDHA was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti-LDHA Antigen Affinity purified polyclonal antibody (Catalog # ABO11693) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .



LDHA was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- LDHA Antigen Affinity purified polyclonal antibody (Catalog # ABO11693) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-LDHA Picoband Antibody - Background**

Lactate dehydrogenase A, also known as LDHA, is an enzyme which in humans is encoded by the LDHA gene. The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.