

Datasheet for ABIN4886657

**anti-Lactate Dehydrogenase A antibody (AA 2-106)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	Lactate Dehydrogenase A (LDHA)
Binding Specificity:	AA 2-106
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for L-lactate dehydrogenase A chain(LDHA) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for L-lactate dehydrogenase A chain(LDHA) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: lactate dehydrogenase A</p> <p>Protein Name: L-lactate dehydrogenase A chain</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	Lactate Dehydrogenase A (LDHA)
Alternative Name:	LDHA ( <a href="#">LDHA Products</a> )
Background:	<p>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.</p> <p>Synonyms: GSD11   I7R2   LDH A   LDH-A   LDH M   LDH-M   LDH1   Idha   LDHM   PIG19   P00338</p>
Gene ID:	3939
UniProt:	<a href="#">P00338</a>
Pathways:	<a href="#">Warburg Effect</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

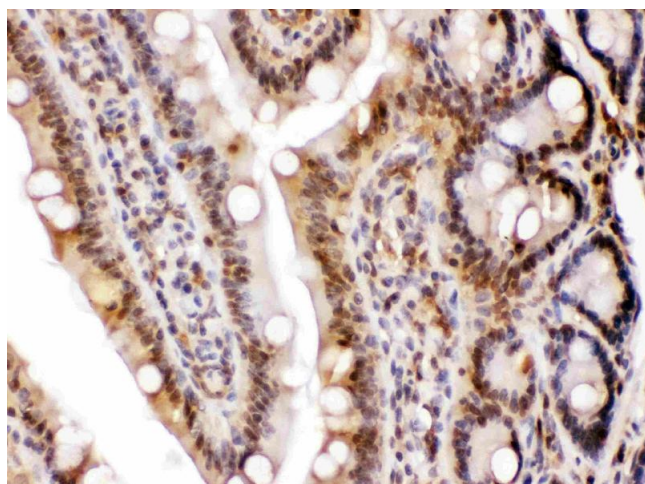
## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

## Handling

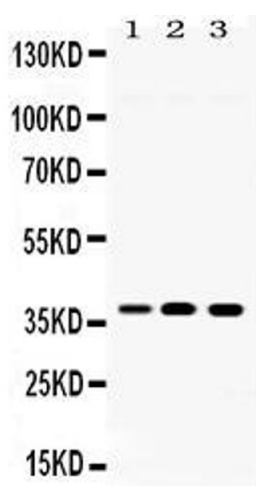
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

## Images



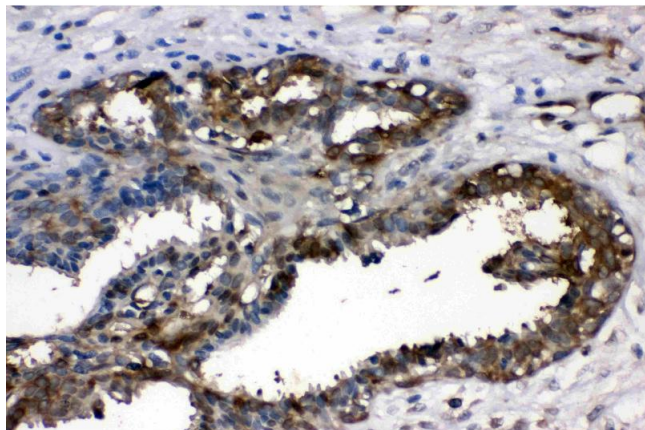
### Immunohistochemistry

**Image 1.** LDHA was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- LDHA Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



### Western Blotting

**Image 2.** 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 # ) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



#### Immunohistochemistry

**Image 3.** LDHA was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- LDHA Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886657.