

## LDHA antibody

Cat. No. GTX101416

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P
<b>Reactivity</b>	Human, Mouse, Rat

References ( 24 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

LDHA facilitates glycolytic flux by converting pyruvate to lactate and NADH to NAD<sup>+</sup>. It is primarily cytoplasmic, but is also found in mitochondria and the nucleus. In addition to its metabolic function, LDHA is also a single-stranded DNA-binding protein participating in DNA duplication and transcription. Elevated expression of LDHA is observed in various cancers.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000

Not tested in other applications.

**Calculated MW** 37 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.37 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human LDHA. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



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## Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



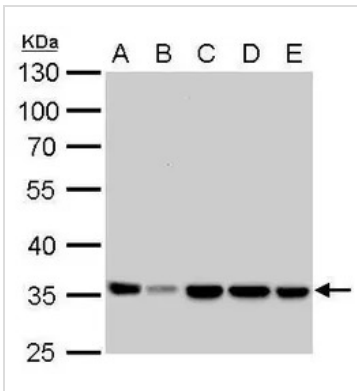
### GTX101416 IHC-P Image

LDHA antibody detects LDHA protein at cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded mouse liver.

LDHA stained by LDHA antibody (GTX101416) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



### GTX101416 WB Image

LDHA antibody detects LDHA protein by western blot analysis.

A. 30 µg Neuro2A whole cell lysate/extract

B. 30 µg C8D30 whole cell lysate/extract

C. 30 µg NIH-3T3 whole cell lysate/extract

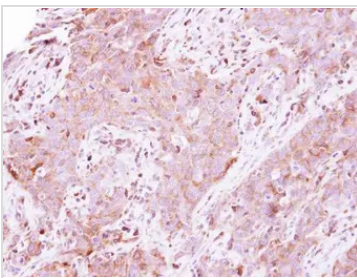
D. 30 µg Raw264.7 whole cell lysate/extract

E. 30 µg C2C12 whole cell lysate/extract

10% SDS-PAGE

LDHA antibody (GTX101416) dilution: 1:1000

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



### GTX101416 IHC-P Image

Immunohistochemical analysis of paraffin-embedded human lung papillary adenocarcinoma, using LDHA(GTX101416) antibody at 1:500 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



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