

## 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 ( 28 )

★★★★★ 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   |



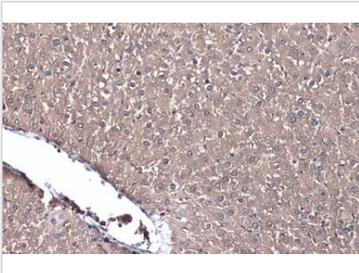
For full product information, images and publications, please visit our [website](#).

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### 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



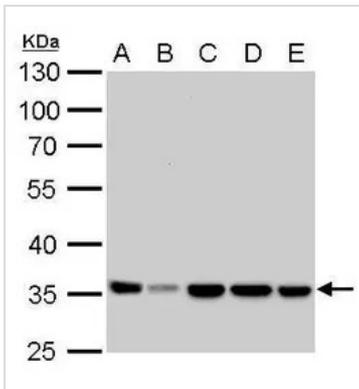
#### GTX101416 IHC-P Image

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  $\mu$ g Neuro2A whole cell lysate/extract

B. 30  $\mu$ g C8D30 whole cell lysate/extract

C. 30  $\mu$ g NIH-3T3 whole cell lysate/extract

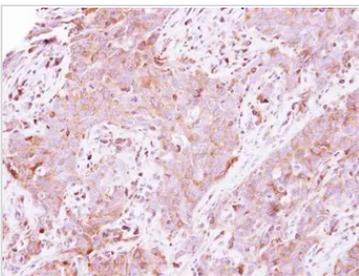
D. 30  $\mu$ g Raw264.7 whole cell lysate/extract

E. 30  $\mu$ g 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



For full product information, images and publications, please visit our [website](#).