

## Anti-Lactate Dehydrogenase A Rabbit Monoclonal Antibody

### Introduction

Lactate dehydrogenase (LDH) catalyzes the interconversion of pyruvate and NADH to lactate and NAD<sup>+</sup>. When the oxygen supply is too low for mitochondrial ATP production, this reaction recycles NADH generated in glycolysis to NAD<sup>+</sup>, which reenters glycolysis. The major form of LDH found in muscle cells is the A (LDHA) isozyme.

### Product parameters

|                    |   |
|--------------------|---|
| Alternative Names  | LDHA; LDH-M; LDH1; PIG19; GSD11; TRG5; Proliferation inducing gene 19                   |
| Gene ID            | 3939  |
| Gene Name          | LDHA  |
| SwissProt ID       | P00338  |
| Host               | Rabbit  |
| Reactivity         | Human, Rat  |
| Molecular Weight   | Calculated MW: 37 kDa; Observed MW: 37 kDa  |
| Conjugation        | Unconjugated  |
| Ex                 | -   |
| Em                 | -   |
| Modification       | Unmodified  |
| Clonality          | IgG   |
| Isotype            | Monoclonal Antibody   |
| Clonality No.      | AP-3D7A6  |
| Form               | Liquid  |
| Concentration      | See label   |
| Carrier            | Carrier Not Free  |
| Immunogen          | A synthetic peptide of human Lactate Dehydrogenase                                      |
| Purification       | Affinity Purified   |
| Buffer System      | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application        | WB, IHC-F, IHC-P, ICC/IF, IP  |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20                                |
| Research Field     | Signal Transduction   |
| Product Categories | Primary antibody  |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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