

Lactate Dehydrogenase Antibody

Rabbit mAb Catalog # AP90387

Specification

Lactate Dehydrogenase Antibody - Product Information

Application WB, IHC, FC, ICC, IP

Primary Accession P00338
Reactivity Rat

Clonality Monoclonal

Other Names

LDHA; LDH-M; LDH1; PIG19; GSD11; TRG5; Proliferation inducing gene 19;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 36689 Da

Lactate Dehydrogenase Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

Lactate Dehydrogenase

Description Lactate dehydrogenase (LDH) catalyzes

the interconversion of pyruvate and NADH to lactate and NAD+. When the oxygen supply is too low for mitochondrial ATP production, this reaction recycles NADH generated in glycolysis to NAD+, which reenters glycolysis. The major form of LDH

found in muscle cells is the A (LDHA)

isozyme.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

Lactate Dehydrogenase 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

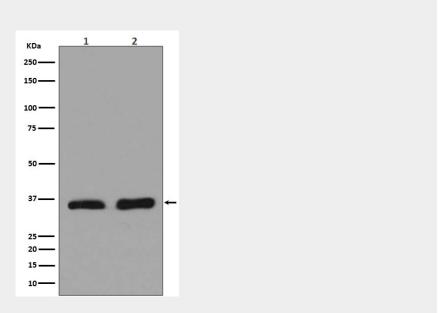
Predominantly expressed in anaerobic tissues such as skeletal muscle and liver.

Lactate Dehydrogenase Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Lactate Dehydrogenase Antibody - Images



Western blot analysis of LDHA expression in (1)Hela cell lysate;(2)Human heart lysate.