

Product Name: Lactate Dehydrogenase A Rabbit Monoclonal Antibody
Catalog #: AMRe03782

Summary

Production Name	Lactate Dehydrogenase A Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purification

Immunogen

Gene Name	LDHA
Alternative Names	LDHA; LDH-M; LDH1; PIG19; GSD11; TRG5; Proliferation inducing gene 19
Gene ID	3939
SwissProt ID	P00338.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
Molecular Weight	Calculated MW: 37 kDa; Observed MW: 37 kDa

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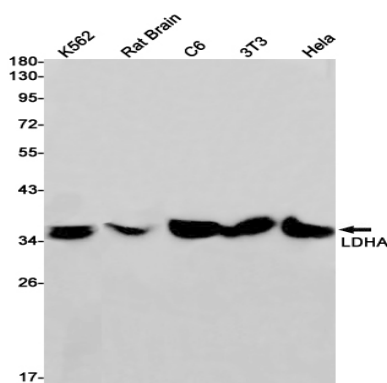
Background

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.

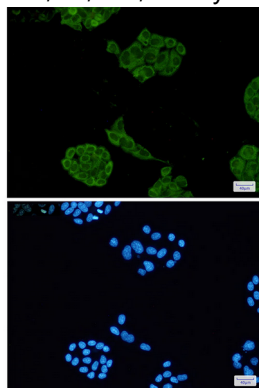
Research Area

Signal Transduction

Image Data

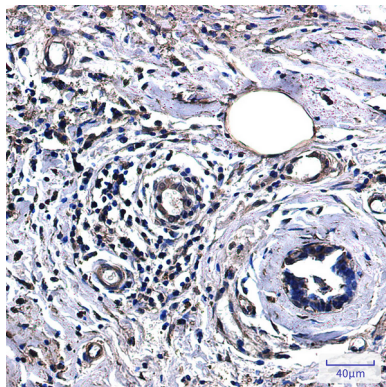


Western blot analysis of LDHA in K562, rat Brain, C6, 3T3, HeLa lysates using Lactate Dehydrogenase A antibody.



Immunocytochemistry analysis of Lactate Dehydrogenase(green) in HeLa using Lactate Dehydrogenase antibody, and DAPI(blue)

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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Lactate Dehydrogenase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.