

Lactate Dehydrogenase Rabbit mAb

Catalog No: #48839

Package Size: #48839-1 50ul #48839-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Lactate Dehydrogenase Rabbit mAb
Clonality	Monoclonal
Clone No.	SU39-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Cell proliferation-inducing gene 19 protein antibody GSD11 antibody L lactate dehydrogenase B chain antibody L-lactate dehydrogenase A chain antibody Lactate dehydrogenase A antibody Lactate dehydrogenase B antibody Lactate dehydrogenase H chain antibody Lactate dehydrogenase M antibody LDH A antibody LDH B antibody LDH H antibody LDH heart subunit antibody LDH M antibody LDH muscle subunit antibody LDH-A antibody LDH-M antibody LDH1 antibody Idha antibody LDHA_HUMAN antibody LDHBD antibody LDHM antibody MS1111 antibody PIG19 antibody Proliferation inducing gene 19 antibody Renal carcinoma antigen NY REN 46 antibody Renal carcinoma antigen NY-REN-59 antibody TRG 5 antibody TRG5 antibody
Accession No.	Swiss-Prot#:P00338
Calculated MW	37 kDa
Concentration	1mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

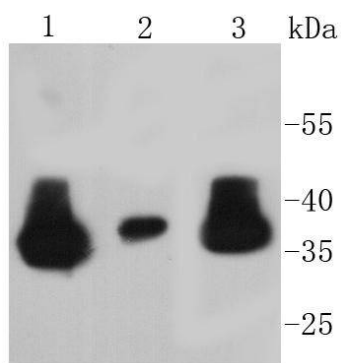
WB: 1:1,000-5,000

IHC: 1:200-1:500

ICC: 1:50-1:200

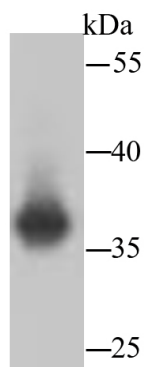
FC: 1:50-1:100

Images

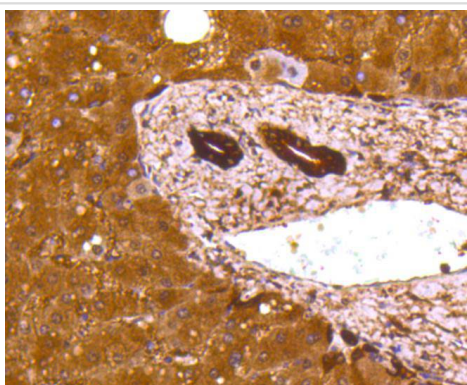


Western blot analysis of Lactate Dehydrogenase on different lysates using anti-Lactate Dehydrogenase antibody at 1/1,000 dilution. Positive control:

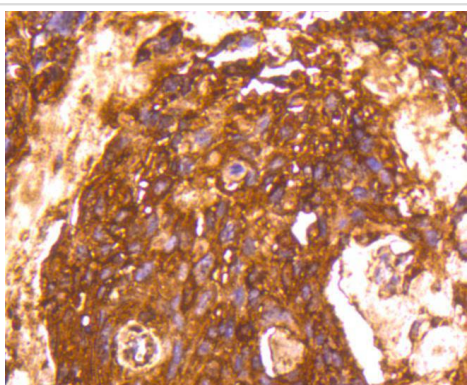
Lane 1: Hela
Lane 2: A549
Lane 3: MCF-7



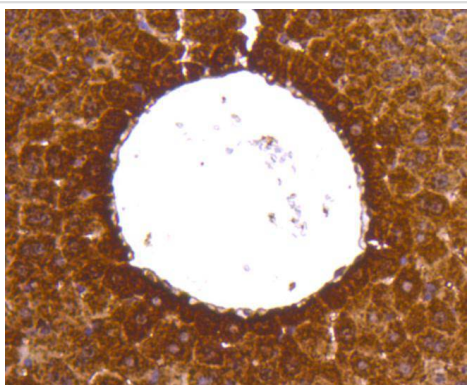
Western blot analysis of Lactate Dehydrogenase on hybrid fish (crucian-carp) brain tissue lysate using anti-Lactate Dehydrogenase antibody at 1/500 dilution.



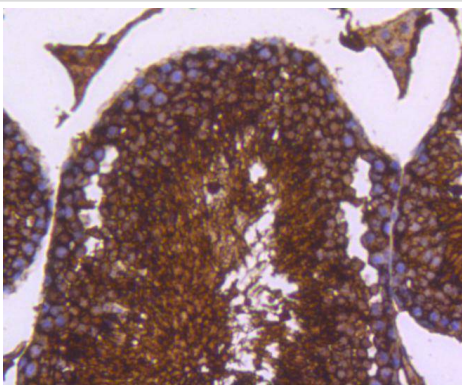
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



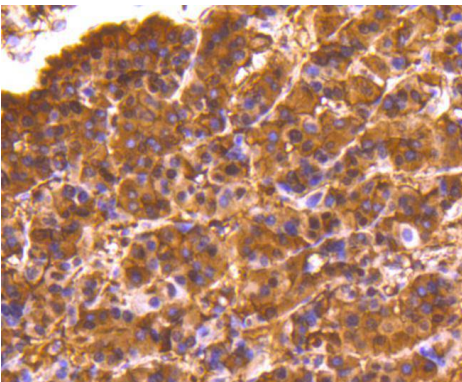
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



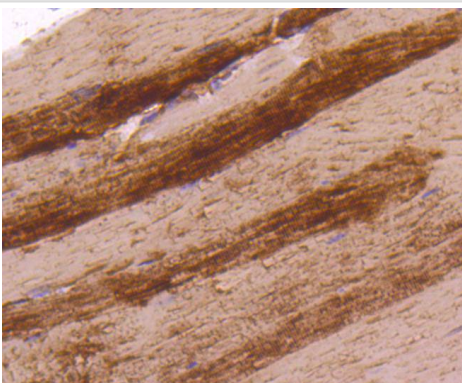
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



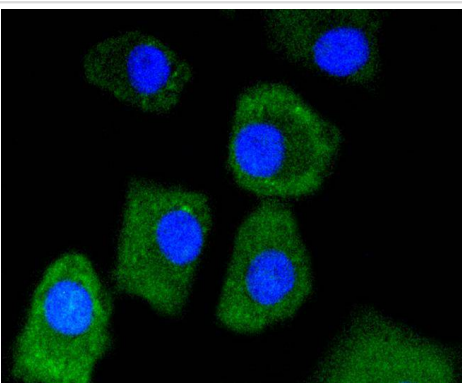
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



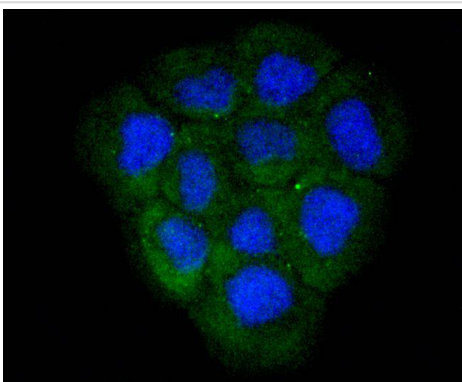
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



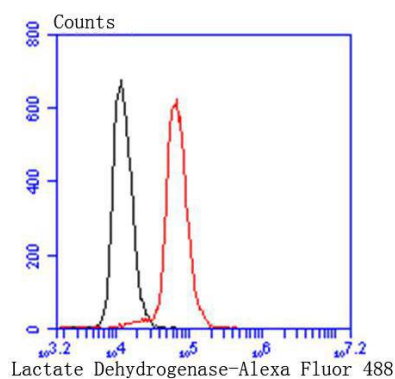
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.



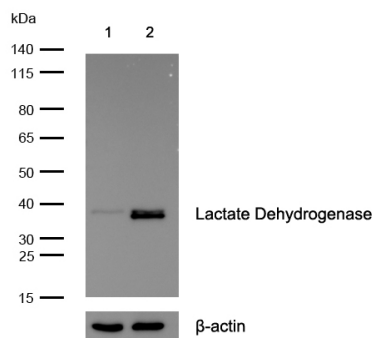
ICC staining Lactate Dehydrogenase in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Lactate Dehydrogenase in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with Lactate Dehydrogenase antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



All lanes : Lactate Dehydrogenase Rabbit mAb at 1/1k dilution
Lane 1 : Lactate Dehydrogenase knockout HAP1 cell lysate
Lane 2 : Wild-type HAP1 cell lysate Lysates/proteins at 20 µg per lane.

Background

The lactate dehydrogenase family (LDH) catalyzes the final step of anaerobic glycolysis, the conversion of L-lactate and NAD to pyruvate and NADH. The LDH family consists of three members, LDH-A, LDH-B and LDH-C, all of which form tetramers consisting four subunits. However, each family member displays a specific tissue distribution pattern with LDH-A and LDH-B predominant in several tissues, specifically LDH-A in muscle and LDH-B in heart, while LDH-C expression is confined to the testis and sperm. LDHs function as powerful markers for germ cell tumors. The genes encoding human LDH-A and LDH-C map to chromosome 11, while the human LDH-B gene maps to chromosome 12. Deficiency in the LDH-A gene is linked to exertional myoglobinuria.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.