Product Datasheet

LDHA Antibody

Catalog No: #48492

Package Size: #48492-1 50ul #48492-2 100ul

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

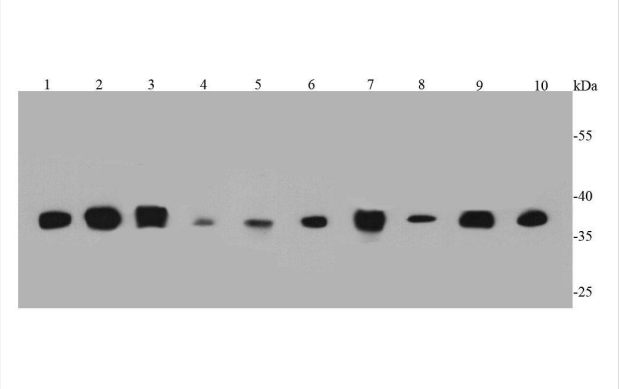
Description

Product Name	LDHA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, IHC, FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	peptide
Conjugates	Unconjugated
Other Names	Cell proliferation-inducing gene 19 protein antibody;GSD11 antibody; L lactate dehydrogenase A chain antibody; L-lactate dehydrogenase A chain antibody; l7R2 antibody; Lactate dehydrogenase 1, A chain antibody; Lactate dehydrogenase A antibody;Lactate dehydrogenase A4 antibodyÓ Lactate dehydrogenase M antibodyÓ LDH A antibodyÓ LDH M antibodyÓ LDH muscle subunit antibodyÓ LDH muscle subunit; M LDH antibodyÓ LDH-A antibodyÓ LDH-M antibodyÓ LDH1 antibodyÓ ldha antibodyÓ LDHA_HUMAN antibodyÓ LDHM antibodyÓ OTTMUSP00000017774 antibodyÓ PIG19 antibodyÓ Proliferation-inducing gene 19 antibodyÓ Renal carcinoma antigen NY-REN-59 antibody
Accession No.	Swiss-Prot#:P00338
Calculated MW	37 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

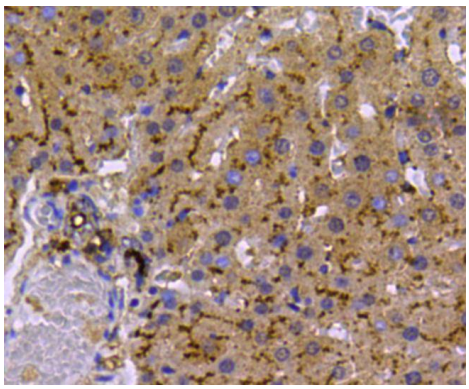
Application Details

WB: 1:500IHC: 1:200 FC: 1:100-1:200

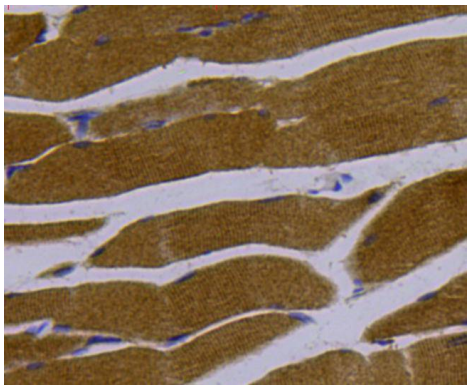
Images



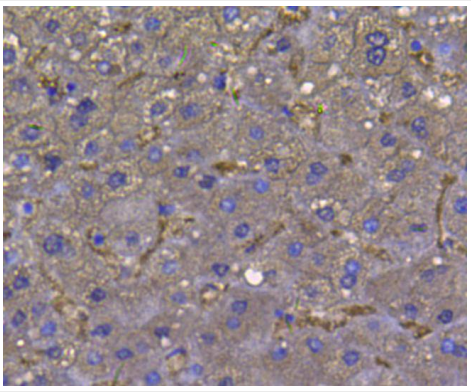
Western blot analysis of LDHA on different cell lysates using anti-LDHA antibody at 1/500 dilution. Positive control: Lane 1: A549 Lane 2: Hela Lane 3: A431 Lane 4: 293 Lane 5: Jurkat Lane 6: MCF-7 Lane 7: Human liver Lane 8: Human kidney Lane 9: Human brain Lane 10: Human thymus



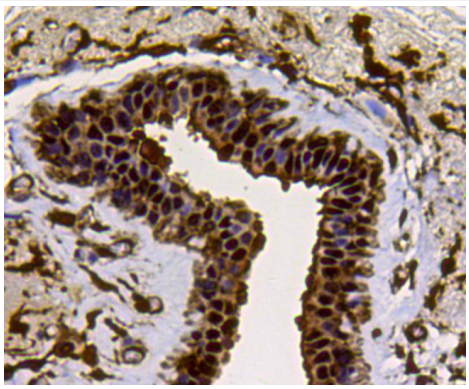
Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-LDHA antibody. Counter stained with hematoxylin.



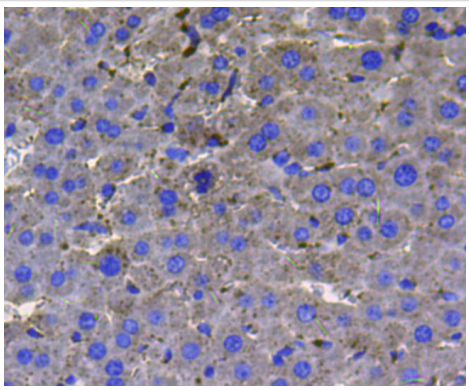
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-LDHA antibody. Counter stained with hematoxylin.



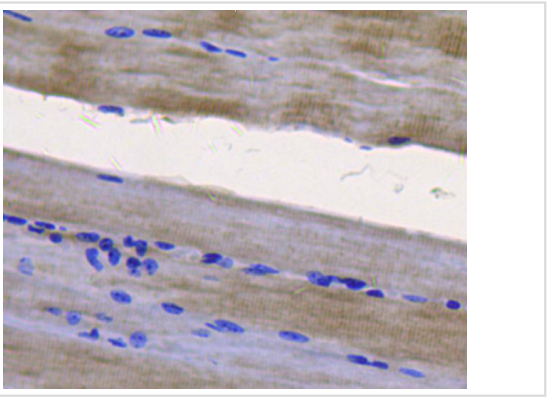
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-LDHA antibody. Counter stained with hematoxylin.

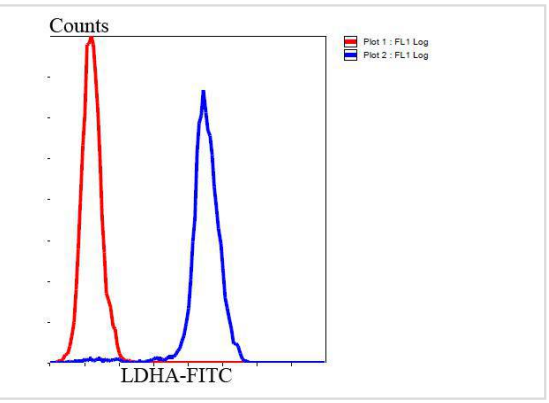


Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-LDHA antibody. Counter stained with hematoxylin.



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





Background

Lactate dehydrogenase (LDH) is an enzyme present in a wide variety of organisms, including plants and animals. It catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+. In medicine, LDH is often used as a marker of tissue breakdown as LDH is abundant in red blood cells and can function as a marker for hemolysis. In mammals, three types of LDH subunits (35 kDa) are encoded by the genes Ldh-A, Ldh-B, and Ldh-C. Lactate dehydrogenase B (LDH-B, heart subunit, LDH-H) is involved in the conversion of L-lactate and NAD to pryruvate and NADH and it is predominantly localized in the heart tissue. Similar to other LDH subunit, LDH-B is considered to be an important marker for germ cell tumor.

References

1. Miskimins WK et al. Synergistic anti-cancer effect of phenformin and oxamate. PLoS One 9:e85576 (2014) 2. Peng X et al. Autophagy promotes paclitaxel resistance of cervical cancer cells: involvement of Warburg effect activated hypoxia-induced factor 1-a-mediated signaling. Cell Death Dis 5:e1367 (2014)

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