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LDHA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5540

Product Information

Application	IHC-P, IF, WB
Primary Accession	P00338
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36689
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	3939
Antigen Region	204-232
Other Names	L-lactate dehydrogenase A chain, LDH-A, Cell proliferation-inducing gene 19 protein, LDH muscle subunit, LDH-M, Renal carcinoma antigen NY-REN-59, LDHA
Dilution	IHC-P~~1:100~500 IF~~1:10~50 WB~~1:1000
Target/Specificity	This LDHA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 204-232 amino acids from the C-terminal region of human LDHA.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LDHA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

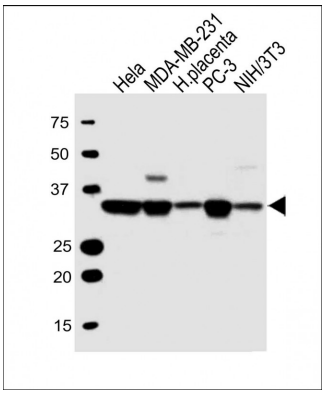
Background

The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.

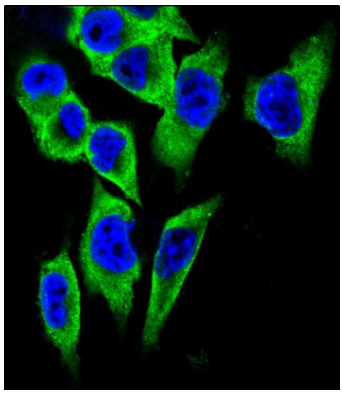
References

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Zhu, X., et al. Genet. Epidemiol. 34(2):171-187(2010)
Zhuang, L., et al. Mod. Pathol. 23(1):45-53(2010)
Zhao, Y.H., et al. Oncogene 28(42):3689-3701(2009)
Koukourakis, M.I., et al. Oncology 77(5):285-292(2009)

Images

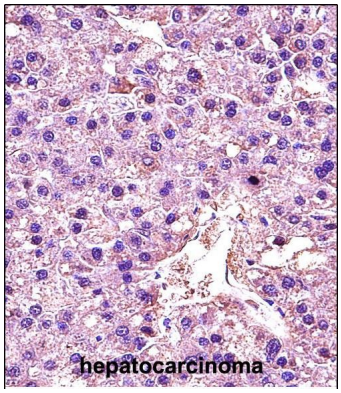


All lanes : Anti-LDHA Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: MDA-MB-231 whole cell lysate Lane 3: human placenta lysate Lane 4: PC-3 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Confocal immunofluorescent analysis of LDHA Antibody (C-term)(Cat#AW5540) with A375 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).DAPI was used to stain the cell nuclear (blue).

LDHA Antibody (C-term) (Cat. #AW5540)immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of LDHA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.