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LDHA Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5539

Product Information

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

Additional Information

Gene ID	3939
Antigen Region	154-182
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	FC~~1:10~50 IHC-P~~1:100~500 WB~~1:1000
Target/Specificity	This LDHA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-182 amino acids from the Central region of human LDHA.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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 (Center) 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.

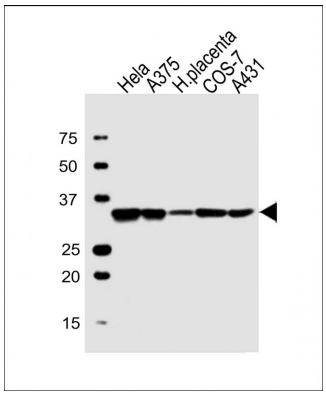
Background

LDHA 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.

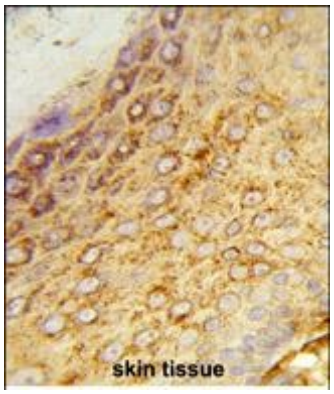
References

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Images

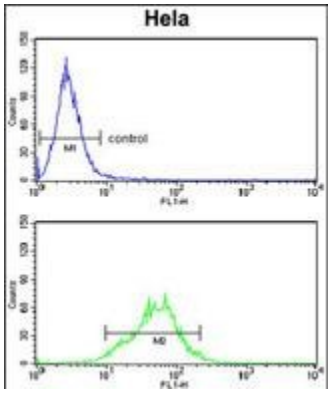


All lanes : Anti-LDHA Antibody (Center) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: A375 whole cell lysate Lane 3: human placenta lysate Lane 4: COS-7 whole cell lysate Lane 5: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skin tissue reacted with LDHA Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

LDHA Antibody (Center) (Cat. #AW5539) flow cytometry analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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