



## Rabbit Anti-LDHA antibody

SL1810R

<b>Product Name:</b>	LDHA
<b>Chinese Name:</b>	乳酸脱氢酶抗体
<b>Alias:</b>	Lactate Dehydrogenase; Lactate Dehydrogenase Isoenzyme V; Lactate Dehydrogenase isozyme H4; L lactate dehydrogenase A chain; Lactate dehydrogenase A; Lactate dehydrogenase A chain; LDH A; LDH heart subunit; LDH M; LDHM; LDH muscle subunit; LDH1; LDHA; PIG 19; PIG19; Proliferation inducing gene 19 protein; TRG 5; TRG5; LDHA HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2µg /testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human LDHA:261-361/361
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. [provided by RefSeq].

**Subunit:**

Homotetramer.

**Subcellular Location:**

Cytoplasm.

**Post-translational modifications:**

ISGylated.

**DISEASE:**

Glycogen storage disease 11 (GSD11) [MIM:612933]: A metabolic disorder that results in exertional myoglobinuria, pain, cramps and easy fatigue. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the LDH/MDH superfamily. LDH family.

**SWISS:**

P00338

**Gene ID:**

3939

**Database links:**

[Entrez Gene: 3939](#)Human

[Entrez Gene: 16828](#)Mouse

[Entrez Gene: 24533](#)Rat

[Oimim: 150000](#)Human

[SwissProt: P00338](#)Human

[SwissProt: P06151](#)Mouse

[SwissProt: P04642](#)Rat

[Unigene: 2795](#)Human

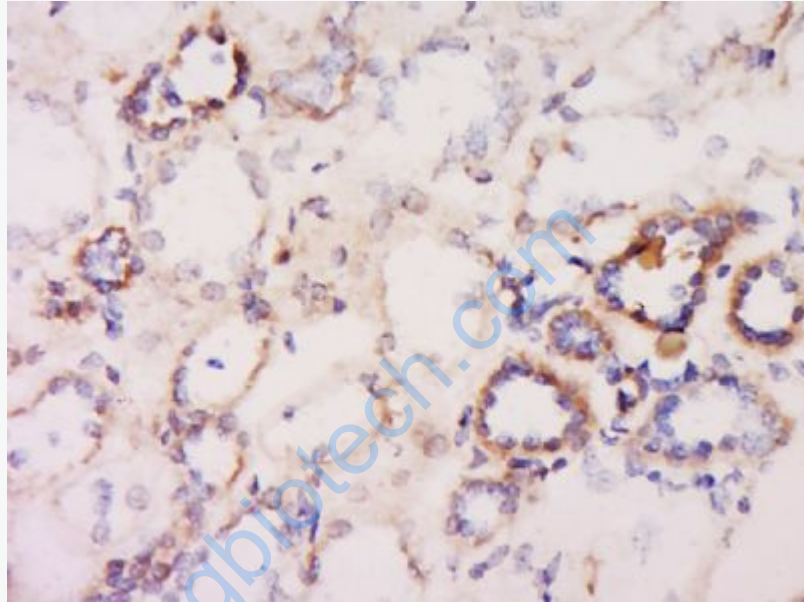
[Unigene: 29324](#)Mouse

[Unigene: 107896](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

乳酸脱氢酶(LD)广泛存在于人体各组织中, 以肝、肾、心肌、骨骼肌、胰腺和肺中最多。

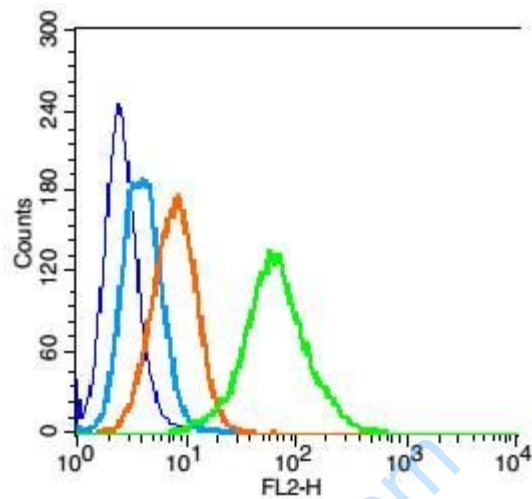


**Picture:**

Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-LDHA Polyclonal Antibody, Unconjugated(SL1810R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: 293T cells(blue).

Primary Antibody: Rabbit Anti-LDHA antibody(SL1810R), Dilution: 0.2 $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

#### Protocol

Primary antibody (SL1810R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.