

LDHA (Phospho Tyr10) rabbit pAb

Catalog No: YP1385

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA;IHC

Target: LDHA

Fields: >>Glycolysis / Gluconeogenesis;>>Cysteine and methionine

metabolism;>>Pyruvate metabolism;>>Propanoate metabolism;>>Metabolic pathways;>>HIF-1 signaling pathway;>>Glucagon signaling pathway;>>Central

carbon metabolism in cancer

Gene Name: LDHA PIG19

Protein Name : LDHA (Tyr10)

Human Gene Id: 3939

Human Swiss Prot

No:

Mouse Gene Id: 16828

Mouse Swiss Prot

No:

Rat Gene ld: 24533

Rat Swiss Prot No: P04642

Immunogen: Synthesized phosho peptide around human LDHA (Tyr10)

Specificity: This antibody detects endogenous levels of Human Mouse Rat LDHA (phospho-

Tyr10)

P00338

P06151

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

1/3



Dilution: WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification: The antibody was affinity-purified from rabbit serum by affinity-chromatography

using specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 36kD

Cell Pathway: Glycolysis / Gluconeogenesis; Cysteine and methionine metabolism; Pyruvate

metabolism; Propanoate metabolism;

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. [provided by RefSeq, Sep 2008],

Function: catalytic activity:(S)-lactate + NAD(+) = pyruvate + NADH.,caution:The

sequence shown here is derived from an Ensembl automatic analysis pipeline and

should be considered as preliminary data., disease: Defects in LDHA are a cause

of exertional myoglobinuria.,online information:Lactate dehydrogenase entry,pathway:Fermentation; pyruvate fermentation to lactate; (S)-lactate from

pyruvate: step 1/1.,similarity:Belongs to the LDH/MDH

superfamily., similarity: Belongs to the LDH/MDH superfamily. LDH

family., subunit: Homotetramer.,

Subcellular Location:

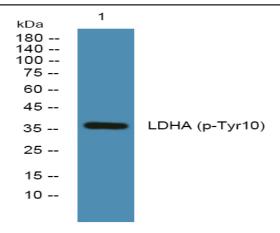
Cytoplasm.

Expression:

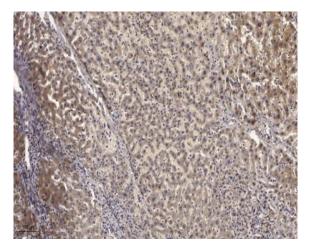
Predominantly expressed in anaerobic tissues such as skeletal muscle and

liver.

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).