Best Tools for immunology Research

LDHA Polyclonal Antibody

Catalog No :	YN3033
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
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 :	L-lactate dehydrogenase A chain (LDH-A) (EC 1.1.1.27) (Cell proliferation-inducing gene 19 protein) (LDH muscle subunit) (LDH-M) (Renal carcinoma antigen NY-REN-59)
Human Gene Id :	3939
Human Swiss Prot No :	P00338
Mouse Swiss Prot No :	P06151
Rat Swiss Prot No :	P04642
Immunogen :	Synthesized peptide derived from part region of human protein. AA range 51-71
Specificity :	LDHA Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-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