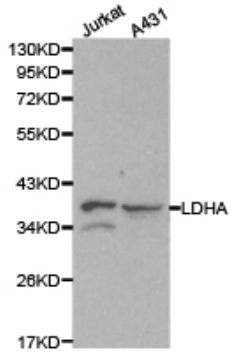
E91146

LDHA Polyclonal Antibody

Catalog Number: E91146
Amount: 100ul
Background: Lactate dehydrogenase (LDH) catalyzes the interconversion of pyruvate and NADH to lactate and NAD+. When the oxygen supply is too low for mitochondrial ATP production, this reaction recycles NADH generated in glycolysis to NAD+, which reenters glycolysis. The major form of LDH found in muscle cells is the A (LDHA) isozyme. The LDHA promoter contains HIF-1α binding sites (1). LDHA expression is induced under hypoxic conditions (2). During intensive and prolonged muscle exercise, lactate accumulates in muscle cells when the supply of oxygen does not meet demand. When oxygen levels return to normal, LDH converts lactate to pyruvate to generate ATP in the mitochondrial electron transport chain.
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: LDHA;LDH-M;LDH1;PIG19 ;
Immunogen: Recombinant proteinof human LDHA
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 37kDa
Swiss-Prot No. : P00338
Gene ID: 3939
References: 1. Semenza, G.L. et al. (1996) J Biol Chem 271, 32529-37. 2. Semenza, G.L. (2007) Biochem J 405, 1-9.

WB 1:500 - 1:2000
IHC 1:50- 1:200



Western blot analysis of Jurkat cell and A431 cell lysate using LDHA antibody.

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