

**Product Name: Lactate Dehydrogenase A Rabbit Monoclonal Antibody****Catalog #: AMRe01531**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 37 kDa; Observed MW: 37 kDa

**Antigen Information**

<b>Gene Name</b>	LDHA
<b>Alternative Names</b>	LDHA; LDH-M; LDH1; PIG19; GSD11; TRG5; Proliferation inducing gene 19
<b>Gene ID</b>	3939
<b>SwissProt ID</b>	P00338
<b>Immunogen</b>	A synthetic peptide of human Lactate Dehydrogenase Isoenzyme V

**Background**

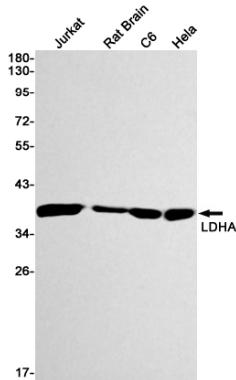
Lactate dehydrogenase (LDH) catalyzes the interconversion of pyruvate and NADH to lactate and NAD<sup>+</sup>. When the oxygen supply is too low for mitochondrial ATP production, this reaction recycles NADH generated in glycolysis to NAD<sup>+</sup>, which

reenters glycolysis. The major form of LDH found in muscle cells is the A (LDHA) isozyme.

## Research Area

Signal Transduction

## Image Data



Western blot analysis of LDHA in Jurkat, rat Brain, C6, HeLa lysates using Lactate Dehydrogenase A antibody.