
Product Name: KO-Validated Lactate Dehydrogenase A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00122**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 36.7kDa

Antigen Information

Gene Name	LDHA
Alternative Names	LDHA; Lactate Dehydrogenase A; Cell Proliferation-Inducing Gene 19 Protein; Renal Carcinoma Antigen NY-REN-59; L-Lactate Dehydrogenase A Chain; LDH Muscle Subunit; EC 1.1.1.27; LDH-A; LDH-M; Epididymis Secretory Sperm Binding Protein Li 133P; Proliferation-Inducing Gene 19; Lactate Dehydrogenase M; HEL-S-133P; EC 1.1.1; GSD11; PIG19; LDHM
Gene ID	3939.0
SwissProt ID	P00338
Immunogen	A synthesized peptide derived from human Lactate Dehydrogenase A

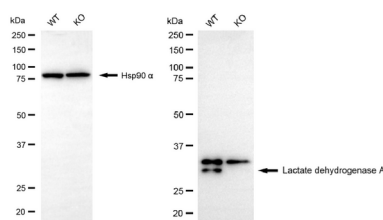
Background

This gene encodes the A subunit of lactate dehydrogenase enzyme which catalyzes the reversible conversion of pyruvate to lactate with the concomitant oxidation of NADH to NAD in anaerobic glycolysis. The protein is found predominantly in skeletal muscle and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. The human genome contains several non-transcribed pseudogenes of this gene. [provided by RefSeq, Sep 2023]

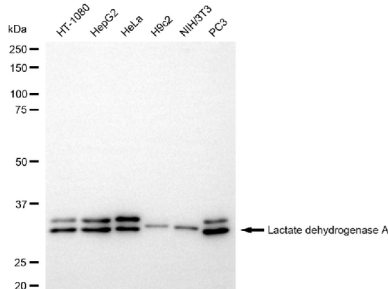
Research Area

Signal Transduction,Cancer,Metabolism,Cell Biology

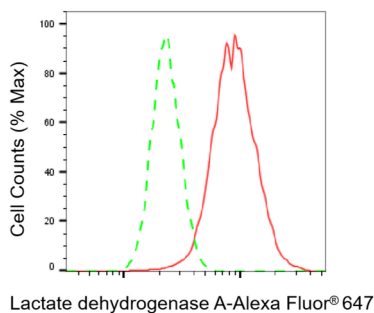
Image Data



Western blotting analysis using lactate dehydrogenase A antibody (KVA00122). Lactate dehydrogenase A expression in wild type (WT) and lactate dehydrogenase A (LDHA) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with lactate dehydrogenase A antibody (KVA00122, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using lactate dehydrogenase A antibody (KVA00122). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with lactate dehydrogenase A antibody (KVA00122, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Lactate dehydrogenase A expression in HepG2 cells using Lactate dehydrogenase A antibody (KVA00122, 1:2,000). Green, isotype control; red, Lactate dehydrogenase A.