

LDHAL6B Antibody (NT)

ALTERNATE NAMES: LDHAL6B; LDHAL6; LDHL; L-lactate dehydrogenase A-like 6B

CATALOG #: 6737-100

AMOUNT: 100 µl

HOST/ISOTYPE: Rabbit IgG

IMMUNOGEN: This LDHAL6B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-71 amino acids from the N-terminal region of human LDHAL6B.

PURIFICATION: This antibody is purified through a protein A column, followed by peptide affinity purification.

MOLECULAR WEIGHT: ~41.94 kDa

FORM: Liquid

FORMULATION: Supplied in PBS with 0.09% (W/V) sodium azide.

SPECIES REACTIVITY: Human.

STORAGE CONDITIONS: Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

DESCRIPTION: L-Lactate dehydrogenase A chain (LDHA) is a member of the LDH/MDH superfamily and LDH family. It catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA is localized primarily in muscle tissue and is part of the lactate dehydrogenase family. Mutations in LDHA have been linked to exertional myoglobinuria. LDH1 is decreased in essential thrombocythemia. LDHA is induced through a non-genomic pathway of estrogen action. Reduction in LDH-A activity results in stimulation of mitochondrial respiration and decrease of mitochondrial membrane potential. Mutations in LDHA have been associated with in LDHA are the cause of glycogen storage disease type 11 (GSD11) which is a metabolic disorder that results in exertional myoglobinuria, pain, cramps and easy fatigue.

APPLICATION: Western blot: ~1:1000.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.



LDHAL6B Antibody (NT) (Cat. # 6737-100) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the LDHAL6B antibody detected the LDHAL6B protein (arrow).

RELATED PRODUCTS:

- LDHA Antibody (CT) (Cat # 6735-100)
- LDHA Antibody (Center) (Cat # 6736-100)
- Human Recombinant LDHA (Cat # 6374-100)