

Recombinant Anti-LDHB Rabbit mAb

Catalog # AP95150

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	P07195
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	36638

Additional Information

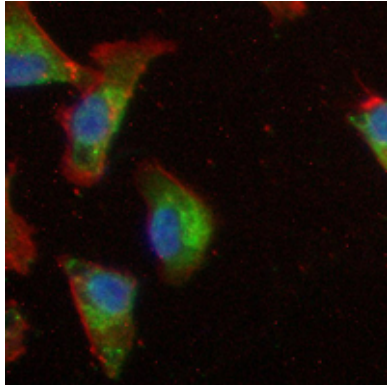
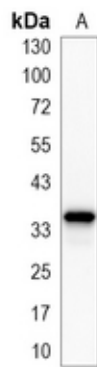
Gene ID	3945
Other Names	L-lactate dehydrogenase B chain; LDH-B; LDH heart subunit; LDH-H; Renal carcinoma antigen NY-REN-46
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human LDHB protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	LDHB
Function	Interconverts simultaneously and stereospecifically pyruvate and lactate with concomitant interconversion of NADH and NAD(+).
Cellular Location	Cytoplasm. Mitochondrion inner membrane; Peripheral membrane protein
Tissue Location	Predominantly expressed in aerobic tissues such as cardiac muscle.

Images

Western blot analysis of LDHB expression in HeLa (A) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 37 kD)



Immunofluorescent analysis of LDHB staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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