



LDHB Polyclonal Antibody

Catalog No	YP-Ab-07878
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	LDHB
Immunogen	Synthesized peptide derived from part region of human protein. AA range 65-105
Specificity	LDHB Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	lactate dehydrogenase B;EC:1.1.1.27;LDH;LDH B;LDH H;LDHB;L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Cytoplasm. Mitochondrion inner membrane ; Peripheral membrane protein .
Tissue Specificity	Predominantly expressed in aerobic tissues such as cardiac muscle.
Function	catalytic activity:(S)-lactate + NAD(+) = pyruvate + NADH.,disease:Defects in LDHB are a cause of hereditary LDHB deficiency [MIM:150100]. LDHB deficiency is usually asymptomatic.,online information:Lactate dehydrogenase entry,pathway:Fermentation; pyruvate fermentation to lactate; (S)-lactate from pyruvate: step 1/1.,similarity:Belongs to the LDH/MDH superfamily.,similarity:Belongs to the LDH/MDH superfamily. LDH family.,subunit:Homotetramer.,
Background	This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD ⁺ in a post-glycolysis process. Alternatively



spliced transcript variants have been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Feb 2016],

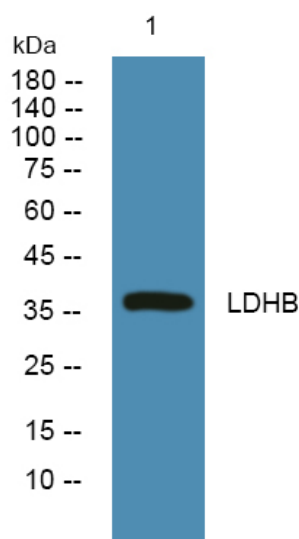
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night