



LDHA Polyclonal Antibody

Catalog No	YP-Ab-07877
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	LDHA PIG19
Immunogen	Synthesized peptide derived from part region of human protein. AA range 51-71
Specificity	LDHA 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	LDHA;Cell proliferation-inducing gene 19 protein;EC:1.1.1.27;lactate;LDHA PIG19;L-lactate dehydrogenase A chain (LDH-A) (EC 1.1.1.27) (Cell proliferation-inducing gene 19 protein) (LDH muscle subunit) (LDH-M) (Renal carcinoma antigen NY-REN-59)
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Predominantly expressed in anaerobic tissues such as skeletal muscle and liver.
Function	catalytic activity:(S)-lactate + NAD(+) = pyruvate + NADH.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:Defects in LDHA are a cause of exertional myoglobinuria.,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

The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene. [provided by RefSeq, Sep 2008],

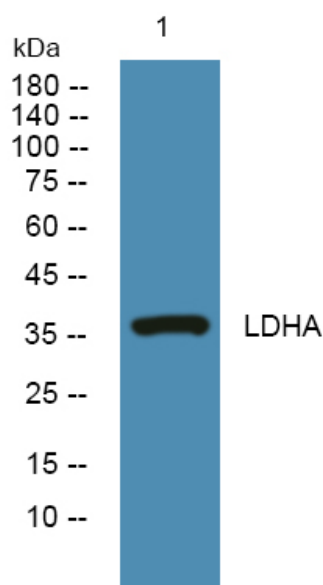
matters needing attention

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 SW480 cells, primary antibody was diluted at 1:1000, 4° over night