

## LDHD Polyclonal Antibody

<b>Catalog No :</b>	YN5523
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	LDHD
<b>Fields :</b>	>>Pyruvate metabolism;>>Metabolic pathways
<b>Gene Name :</b>	LDHD
<b>Protein Name :</b>	Probable D-lactate dehydrogenase, mitochondrial
<b>Human Gene Id :</b>	197257
<b>Human Swiss Prot No :</b>	Q86WU2
<b>Mouse Gene Id :</b>	52815
<b>Mouse Swiss Prot No :</b>	Q7TNG8
<b>Immunogen :</b>	Recombinant Protein of LDHD
<b>Specificity :</b>	The antibody detects endogenous LDHD protein.
<b>Formulation :</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-5000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

<b>Observed Band :</b>	55kD
<b>Cell Pathway :</b>	Pyruvate metabolism;
<b>Background :</b>	The protein encoded by this gene belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:(R)-lactate + 2 ferricytochrome c = pyruvate + 2 ferrocytochrome c.,cofactor:FAD.,similarity:Belongs to the FAD-binding oxidoreductase/transferase type 4 family.,similarity:Contains 1 FAD-binding PCMH-type domain.,subunit:Interacts with CSRP3.,tissue specificity:Expressed moderately in heart and liver and at lower levels in skeletal muscle and kidney.,
<b>Subcellular Location :</b>	Mitochondrion .
<b>Expression :</b>	Expressed moderately in heart and liver and at lower levels in skeletal muscle and kidney.

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