

Datasheet for ABIN568274
anti-LDHB antibody



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Overview

Quantity:	10 mg
Target:	LDHB
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LDHB antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Enzyme Immunoassay (EIA), Radioimmunoassay (RIA), Dot Blot (DB), Immunodiffusion (ID)

Product Details

Immunogen:	L-Lactic Dehydrogenase is isolated and purified from Bovine heart. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	L-Lactic Dehydrogenase from Bovine heart. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immuno-electrophoresis, Cross-Immuno-electrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and enzyme inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography

Target Details

Target:	LDHB
Alternative Name:	LDHB (LDHB Products)
Background:	Lactate dehydrogenase (LDH) is present in a wide variety of organisms, including plants and animals. It is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD ⁺ . As it can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD). There are 5 different isoenzymes of LDH, LDH1 to LDH5, each composed of 4 subunits which may be of 2 different types - M and H subunits. These subunits are encoded by two different genes: The M subunit is encoded by gene LDHA whilst the H subunit is encoded by LDHB. Usually LDH2 is the predominant form in the serum. An LDH1 level higher than the LDH2 level suggests myocardial infarction (damage to heart tissues releases heart LDH, which is rich in LDH1, into the bloodstream).Synonyms: EC=1.1.1.27, L-lactate dehydrogenase B chain, LDH heart subunit, LDH-B, LDH-H, LDHB, Renal carcinoma antigen NY-REN-46
Gene ID:	281275
NCBI Accession:	NP_776525
UniProt:	Q5E9B1
Pathways:	Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore by adding 1.0 mL sterile distilled water
Concentration:	10 mg/mL
Buffer:	PBS, pH 7.2 without preservatives and foreign proteins
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody lyophilized at 2-8 °C and reconstituted at 2-8 °C for one week or (in aliquots) at -20 °C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.