

AP21332BT-N**Polyclonal Antibody to LDH1 H4 Isozyme - Biotin**

Alternate names:	L-Lactic dehydrogenase LDH-1 Isozyme H4
Quantity:	1 ml
Concentration:	10.0 mg/ml
Background:	Lactate dehydrogenase is an enzyme present in a wide variety of organisms, including plants and animals. It catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD ⁺ . Isoforms of the enzyme include LDH 1 (4H) in the heart, LDH 2 (3H1M) in the reticuloendothelial system, LDH 3 (2H2M) in the lungs, LDH 4 (1H3M) in the kidneys and LDH 5 (4M) in the liver and striated muscle. The M and H subunits are encoded by two different genes.
Host / Isotype:	Rabbit / IgG
Immunogen:	L-Lactic dehydrogenase, LDH-1(H4) isoenzyme isolated and purified from Human erythrocytes. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized IgG fraction. Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography Buffer System: PBS, pH 7.2 without preservatives and foreign proteins. Label: Biotin <i>Molar Ratio:</i> Biotin/IgG = ~6.0 Reconstitution: Restore by adding 1.0 ml sterile distilled water.
Applications:	This product is intended for use in precipitating and non-precipitating antibody-binding assays such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques (Up to 1/1,000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, 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. Species: Human. Other species not tested.
Storage:	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. Shelf life: one year from despatch.