

AP21332AF-N**Polyclonal Antibody to LDH1 H4 Isozyme - Azide Free**

Alternate names:	L-Lactic dehydrogenase LDH-1 Isozyme H4
Quantity:	10 mg
Concentration:	10.0 mg/ml
Background:	<p>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.</p>
Host / Isotype:	Rabbit / IgG
Immunogen:	<p>L-Lactic dehydrogenase, LDH-1(H4) isoenzyme isolated and purified from Human erythrocytes.</p> <p>Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Format:	<p>State: Lyophilized IgG fraction.</p> <p>Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography.</p> <p>Buffer System: PBS, pH 7.2 without preservatives and foreign proteins.</p> <p>Reconstitution: Restore by adding 1.0 ml sterile distilled water.</p>
Applications:	<p>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).</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>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.</p> <p>Cross-reactivities against enzymes of other sources may occur but have not been determined.</p> <p>Species: Human.</p> <p>Other species not tested.</p>
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>If a slight precipitation occurs upon storage, this should be removed by centrifugation.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>