

Product datasheet for **AP21332BT-N**

LDH1 H4 Isozyme Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, ID, IF, IP, R, WB |
| Recommended Dilution: | 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). |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| 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. |
| 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. |
| Formulation: | PBS, pH 7.2 without preservatives and foreign proteins. Label: Biotin State: Lyophilized IgG fraction. Molar ratio: Biotin/IgG = ~6.0 |
| Reconstitution Method: | Restore by adding 1.0 ml sterile distilled water. |
| Concentration: | lot specific |
| Purification: | Ammonium Sulphate Precipitation and Ion Exchange Chromatography |
| Conjugation: | Biotin |
| 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. |



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Stability: Shelf life: one year from despatch.

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.