



LDH-B (L-lactate dehydrogenase B chain) Antibody

E80807-1

- Product Type:** Rabbit Polyclonal IgG, primary antibodies
- Catalog Number:** E80807-1
- Amount:** 100ul **0.41mg/ml**
- Positive control:** Hela/Mouse Brain
- Project ID:** R080701
- Molecular Wt.:** 37kDa
- Cellular Localization:** Cytoplasm
- Form of Antibody:** Liquid
- Storage Buffer:** 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
- Description:** Lactate dehydrogenase (LDH) 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⁺. In medicine, LDH is often used as a marker of tissue breakdown as LDH is abundant in red blood cells and can function as a marker for hemolysis. In mammals, three types of LDH subunits (35 kDa) are encoded by the genes Ldh-A, Ldh-B, and Ldh-C. Lactate dehydrogenase B (LDH-B, heart subunit, LDH-H) is involved in the conversion of L-lactate and NAD to pyruvate and NADH and it is predominantly localized in the heart tissue. Similar to other LDH subunit, LDH-B is considered to be an important marker for germ cell tumor.
- Storage/Stability:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
- Purity:** Affinity purified
- Recommended Dilutions:** WB: 1:5,000
- Specificity/Sensitivity:** This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to near C-terminal residues of LDH-B.
- Reactivity:** Human,,Mouse,Rat
- Applications:** WB
- Swiss-Prot No. :** SwissProt P07195
- References:**
1. Takeno T., Li S.S.-L.; "Structure of the human lactate dehydrogenase B gene."; Biochem. J. 257:921-924(1989).
 2. The MGC Project Team; "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)."; Genome Res. 14:2121-2127(2004).
 3. Sakai I., Sharief F.S., Pan Y.-C.E., Li S.S.-L.; "The cDNA and protein sequences of human lactate dehydrogenase B."; Biochem. J. 248:933-936(1987).

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