

bs-20294R**[Primary Antibody]****LDHB Rabbit pAb****BioSS**
ANTIBODIES

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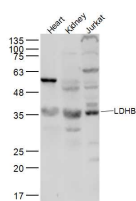
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 3945 Target: LDHB Immunogen: KLH conjugated synthetic peptide derived from human LDHB: 181-250/334. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD ⁺ in a post-glycolysis process. Recent studies have shown that two protein isoforms are produced from the same mRNA by use of alternative in-frame translation termination codons via a stop codon readthrough mechanism, and that these C-terminally distinct isoforms have different subcellular localization. Alternatively spliced transcript variants have also been found for this gene. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Oct 2015]	Isotype: IgG SWISS: P07195	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow) Predicted MW.: 37 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Kidney (Mouse) Lysate at 40 ug Jurkat (Human) Lysate at 40 ug
Primary: Anti-LDHB (bs-20294R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 37 kD

— SELECTED CITATIONS —

- **[IF=4.486]** Du Y et al. ATPR triggers acute myeloid leukaemia cells differentiation and cycle arrest via the RARα/LDHB/ERK - glycolysis signalling axis. J Cell Mol Med. 2020 Jun; 24(12): 6952–6965. IHC ;mouse. 32391634