

Rabbit LDHB Polyclonal Antibody | anti-LDHB antibody

Anti-LDHB Antibody

CATALOG # AAA46838	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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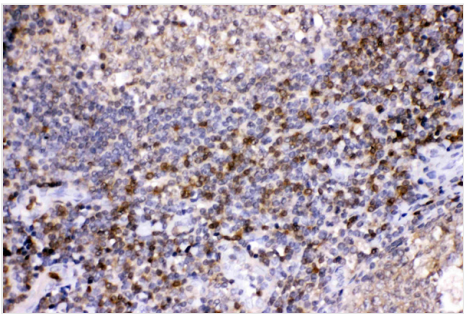
PRODUCT SYNONYMS

LDHB; Polyclonal Antibody; Anti-LDHB Antibody; HEL S 281; LDH-B; LDH B; LDHH; LDH-H; LDH H; LDHBD; TRG-5; TRG5; P07195; L-lactate dehydrogenase B chain; lactate dehydrogenase B; anti-LDHB antibody

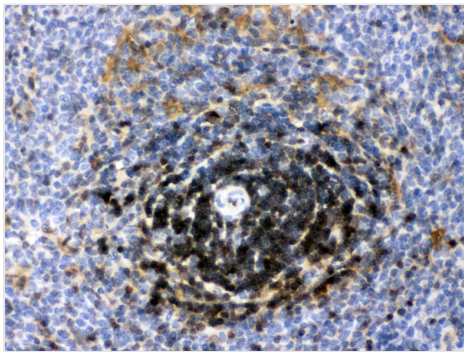
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	334
Applicable Applications for anti-LDHB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human LDHB recombinant protein (Position: E237-L334). Human LDHB shares 98% amino acid (aa) sequence identity with both mouse and rat LDHB.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

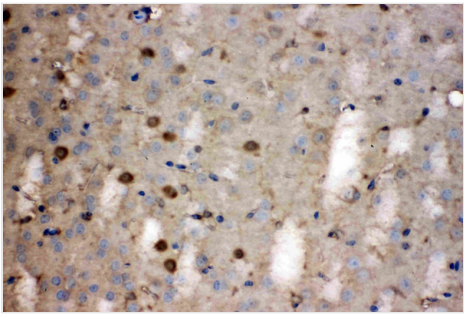
IMAGES



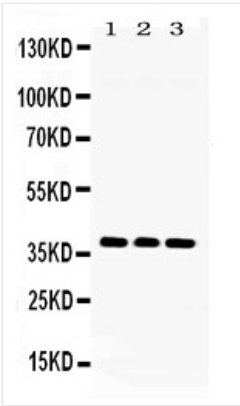
IHC (Immunohistochemistry)
LDHB was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-LDHB Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
LDHB was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-LDHB Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
LDHB was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti-LDHB Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of LDHB expression in rat brain extract (lane 1), NIH3T3 whole cell lysates (lane 2) and U2OS whole cell lysates (lane 3). LDHB at 37KD was detected using rabbit anti- LDHB Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-LDHB antibody	Rabbit IgG polyclonal antibody for L-lactate dehydrogenase B chain(LDHB) detection. Background: The LDHB 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. Alternatively spliced transcript variants have been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13.
References	1. Markert, C. L. Lactate dehydrogenase: biochemistry and function of lactate dehydrogenase. Cell Biochem. Func. 2: 131-134, 1984. 2. Okumura, N., Terasawa, F., Ueno, I., Oki, K., Yamauchi, K., Hidaka, H., Tozuka, M., Okura, M., Katsuyama, T. Genetic analyses in homozygous and heterozygous variants of lactate dehydrogenase-B (H) subunit: LD-B Matsumoto I and II (LD-B W323R). Clin. Chim. Acta 287: 163-171, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	291575128
NCBI GeneID	3945
NCBI Accession #	NP_001167568.1

NCBI GenBank Nucleotide #	NM_001174097.2
UniProt Accession #	P07195
Molecular Weight	36,638 Da
NCBI Official Full Name	L-lactate dehydrogenase B chain isoform LDHB
NCBI Official Synonym Full Names	lactate dehydrogenase B
NCBI Official Symbol	LDHB
NCBI Official Synonym Symbols	LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281
NCBI Protein Information	L-lactate dehydrogenase B chain
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Gene Name	LDHB
UniProt Synonym Gene Names	LDH-B; LDH-H

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dhb-antibody-immunohistochemistry-western-blot-elisa/46838>