

Mouse anti-Human LDHB Monoclonal Antibody | anti-LDHB antibody

LDHB antibody

CATALOG # AAA48176	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

LDHB; Monoclonal Antibody; LDHB antibody; L-lactate dehydrogenase B chain; LDH-H; TRG-5.; LDH-B; LDH heart subunit; Renal carcinoma antigen NY-REN-46; anti-LDHB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT14D7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	334
Applicable Applications for anti-LDHB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human LDHB (1-334aa) purified from E. coli
Clone Note	Anti-human LDHB mAb, clone AT14D7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human LDHB protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of LDHB in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human LDHB antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Recombinant Human LDHB (50ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human LDHB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Recombinant LDHB protein Lane 2. : A549 cell lysate Lane 3. : 293T cell lysate Lane 4. : K562 cell lysate Lane 5. : Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-LDHB antibody	LDHB, also known as L-lactate dehydrogenase B chain, is a member of the lactate dehydrogenase family. It is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+. As this protein can also catalyze the oxidation of hydroxybutyrate, it is occasionally called Hydroxybutyrate Dehydrogenase (HBD). The LDH family consists of three members, LDH-A, LDH-B and LDH-C. LDHs function as powerful markers for germ cell tumors.
Product Categories/Family for anti-LDHB antibody	Metabolism
References	Read JA., et al. (2001) Proteins. 43 (2): 175-185. ; Butt AA., et al. (2002) AIDS. 12 (7): 317-321.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557032
NCBI GeneID	3945
NCBI Accession #	NP_002291
NCBI GenBank Nucleotide #	NM_002300.7
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://stage.aaabiotech.com/monoclonal/ldhb-antibody-clone-at14d7-immunofluorescence-immunocytochemistry-western-blot-elisa/48176>