

Rabbit anti-Rat LDHA Polyclonal Antibody | anti-LDHA antibody

Anti-LDHA Antibody, Rabbit Polyclonal

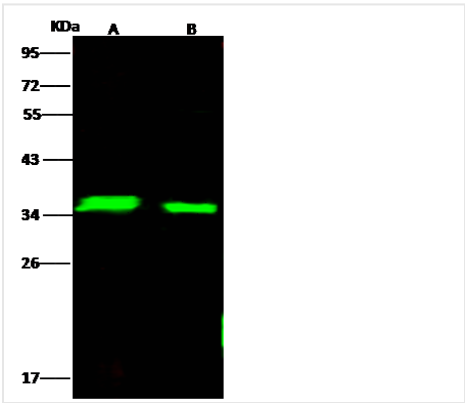
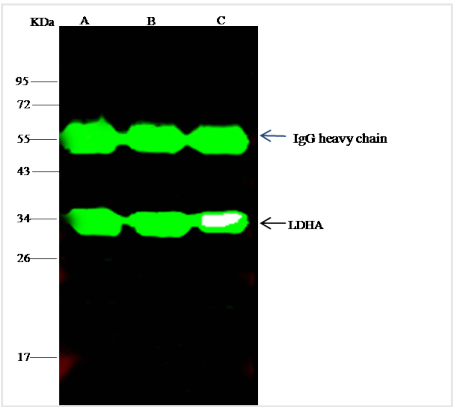
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257340	Rabbit	Rat	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

LDHA; Polyclonal Antibody; Anti-LDHA Antibody; Rabbit Polyclonal; LDH-A/LDHA Antibody; Rabbit PAb; Antigen Affinity Purified; lactate dehydrogenase A; anti-LDHA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat LDH-A/LDHA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LDHA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat LDH-A/LDHA Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat LDH-A/LDHA (rR LDH-A/LDHA). LDH-A/LDHA specific IgG was purified by Rat LDH-A/LDHA affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
rat LDHA was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate Lane B: 0.5 mg HeLa Whole Cell Lysate Lane C: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-rat LDHA rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-rat LDHA rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 37 kDa Observed band size: 35 kDa

WB (Western Blot)
Anti-LDHA rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: A431 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 37 kDa Observed band size: 36 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LDHA antibody	LDHA (Lactate Dehydrogenase A) is a Protein Coding gene. The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA, a key enzyme regulating aerobic glycolysis, belongs to the lactate dehydrogenase family and is overexpressed in many human cancers, and correlates with poor clinical outcomes. LDHA can promote the Warburg effect to produce lactate and Adenosine Triphosphate (ATP) in aerobic conditions, which contributes to oncogenesis metastasis and drug resistance in various cancers. Up-regulation of lactate dehydrogenase LDHA is a frequent event in human malignancies and relate to poor postoperative outcome. Diseases associated with LDHA include Fanconi-Bickel Syndrome and Myoglobinuria.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8393706
NCBI GeneID	24533
NCBI Accession #	NP_058721.1
NCBI GenBank Nucleotide #	NM_017025.1
UniProt Accession #	P04642
Molecular Weight	36,451 Da
NCBI Official Full Name	L-lactate dehydrogenase A chain
NCBI Official Synonym Full Names	lactate dehydrogenase A
NCBI Official Symbol	Ldha
NCBI Official Synonym Symbols	CDK1; Ldh1
NCBI Protein Information	L-lactate dehydrogenase A chain
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	Ldha
UniProt Synonym Gene Names	Ldh-1; Ldh1; LDH-A; LDH-M

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/ldha-antibody-immunoprecipitation-western-blot-elisa/257340>