

**LDHA Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13542b****Specification**

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**LDHA Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P00338](#)**LDHA Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 3939**Other Names**

L-lactate dehydrogenase A chain, LDH-A, Cell proliferation-inducing gene 19 protein, LDH muscle subunit, LDH-M, Renal carcinoma antigen NY-REN-59, LDHA

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13542b was selected from the C-term region of LDHA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**LDHA Antibody (C-term) Blocking peptide - Protein Information****Name** LDHA ([HGNC:6535](#))**Function**

Interconverts simultaneously and stereospecifically pyruvate and lactate with concomitant interconversion of NADH and NAD(+).

**Cellular Location**

Cytoplasm.

**Tissue Location**

Predominantly expressed in anaerobic tissues such as skeletal muscle and liver.

**LDHA Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **LDHA Antibody (C-term) Blocking peptide - Images**

#### **LDHA Antibody (C-term) Blocking peptide - Background**

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. The protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms have been found for this gene. The human genome contains several non-transcribed pseudogenes of this gene.

#### **LDHA Antibody (C-term) Blocking peptide - References**

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Zhu, X., et al. Genet. Epidemiol. 34(2):171-187(2010) Zhuang, L., et al. Mod. Pathol. 23(1):45-53(2010) Zhao, Y.H., et al. Oncogene 28(42):3689-3701(2009) Koukourakis, M.I., et al. Oncology 77(5):285-292(2009)