

LDHA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9523c

Specification

LDHA Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P00338](#)

LDHA Antibody (Center) 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

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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LDHA Antibody (Center) Blocking Peptide - Images

LDHA Antibody (Center) Blocking Peptide - Background

LDHA 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.

LDHA Antibody (Center) Blocking Peptide - References

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) Xie, H., et al. Mol. Cancer Ther. 8(3):626-635(2009) Koukourakis, M.I., et al. Oncology 77(5):285-292(2009) Rikova, K., et al. Cell 131(6):1190-1203(2007) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)