

LDHA Rabbit pAb

LDHA Rabbit pAb Catalog # AP94839

Specification

LDHA Rabbit pAb - Product Information

Application

Primary Accession

Reactivity Host

Clonality

Calculated MW Physical State

Immunogen

Isotype

Purity

Buffer

affinity purified by Protein A

0.01M TBS (pH7.4) with 1% BSA, 0.02%

KLH conjugated synthetic peptide derived

Proclin300 and 50% Glycerol.

WB, IHC-P, IHC-F, IF

Rat, Human, Mouse

from human LDHA

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY Belongs to the LDH/MDH superfamily. LDH

family.

P00338

Rabbit

37 KDa

Liquid

laG

Polyclonal

SUBUNIT Homotetramer.

Post-translational modifications

Post-translational modifications ISGylated.

DISEASE Glycogen storage disease 11 (GSD11)

[MIM:612933]: A metabolic disorder that results in exertional myoglobinuria, pain,

cramps and easy fatigue. Note=The disease is caused by mutations affecting

the gene represented in this entry.

Important Note

This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

LDHA Rabbit pAb - Additional Information

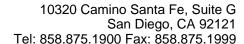
Gene ID 3939

Other Names

L-lactate dehydrogenase A chain, LDH-A, 1.1.1.27, Cell proliferation-inducing gene 19 protein, LDH muscle subunit, LDH-M, Renal carcinoma antigen NY-REN-59, LDHA (HGNC:6535)

Target/Specificity

Metabolism of carbohydrates, Dehydrogenase Kits, NADP/NADPH, Carbohydrate metabolism, Energy Metabolism, Cancer, Energy Metabolism





Dilution

- WB~~1:1000<br \><span class</pre>
- ="dilution IHC-P">IHC-P~~N/A<br \><span class
- ="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

LDHA Rabbit pAb - 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.

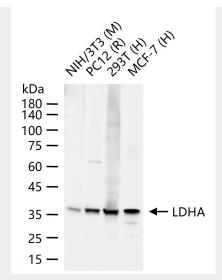
LDHA Rabbit pAb - Protocols

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

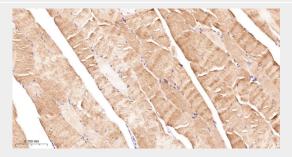
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LDHA Rabbit pAb - Images

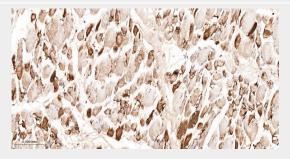




25 ug total protein per lane of various lysates (see on figure) probed with LDHA polyclonal antibody, unconjugated (AP94839) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

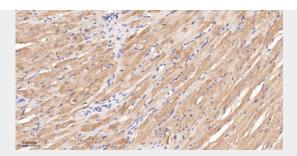


Paraformaldehyde-fixed, paraffin embedded Mouse Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LDHA Polyclonal Antibody, Unconjugated (AP94839) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

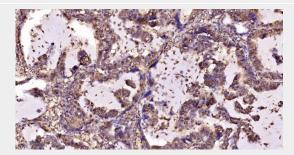


Paraformaldehyde-fixed, paraffin embedded Human Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LDHA Polyclonal Antibody, Unconjugated (AP94839) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

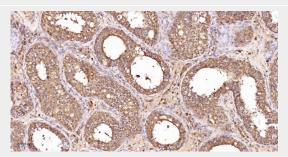




Paraformaldehyde-fixed, paraffin embedded Mouse Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LDHA Polyclonal Antibody, Unconjugated (AP94839) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LDHA Polyclonal Antibody, Unconjugated (AP94839) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with LDHA Polyclonal Antibody, Unconjugated (AP94839) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

LDHA Rabbit pAb - Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.