

LDHA Recombinant Rabbit mAb

LDHA Recombinant Rabbit mAb Catalog # AP94838

Specification

LDHA Recombinant Rabbit mAb - Product Information

Application WB, IHC-P, IHC-F, IF, FC, ICC, IP

Primary Accession P00338

Reactivity Rat, Human, Mouse

Host Rabbit

Clonality Recombinant
Calculated MW 37 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human LDHA

Isotype IgG

Purity

affinity purified by Protein A

Buffer 10mM phosphate buffered saline(pH 7.4)

with 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY Belongs to the LDH/MDH superfamily. LDH

family.

SUBUNIT Homotetramer. Post-translational modifications ISGvlated.

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

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

LDHA Recombinant Rabbit mAb - 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

 $< span class = "dilution_WB">WB~~1:1000 < /span> < br \> < span class = "dilution_IHC-P">IHC-P~~N/A < /span> < br \> < span class = "dilution_IHC-F">IHC-F~~N/A < /span> < br \> < span class = "dilution_IF">IF~~1:50~200 < /span> < br \> < span class = "dilution_FC">FC~~1:10~50 < /span> < br \> < span class = "dilution_ICC">ICC~~N/A < /span> < br \> < span class = "dilution_IP">IP~~N/A < /span> < br \> < span class = "dilution_IP">IP~~N/A < /span> < br \> < span class = "dilution_ICC">ICC~~N/A < /span> < span class = "dilution_ICC">ICC~~N/A < /span < span$

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

LDHA Recombinant Rabbit mAb - 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.

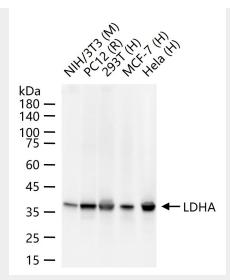
LDHA Recombinant Rabbit mAb - Protocols

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

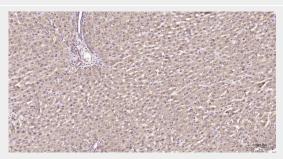
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LDHA Recombinant Rabbit mAb - Images

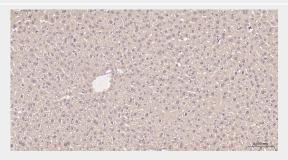




25 ug total protein per lane of various lysates (see on figure) probed with LDHA monoclonal antibody, unconjugated (AP94838) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

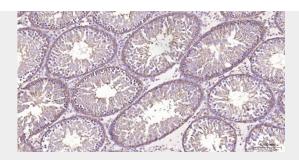


Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

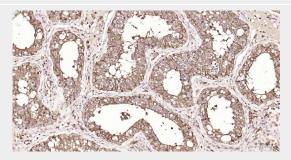




Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



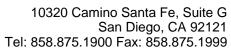
Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LDHA Monoclonal Antibody, Unconjugated(AP94838) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.





LDHA Recombinant Rabbit mAb - Background

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