

PAB698Ra01

Polyclonal Antibody to Lactate Dehydrogenase B (LDHB)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.49mg/mL

UOM: 100µL

Cross Reactivity: Human;Mouse

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant LDHB (Met1-Leu334 (Accession # P42123)) expressed in *E.coli*

Accession No.: RPB698Ra01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

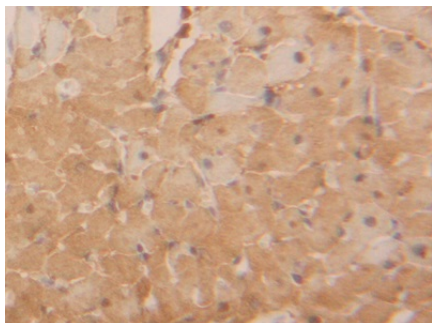
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

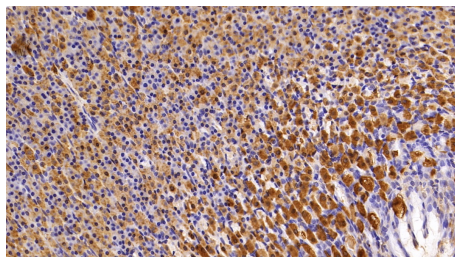
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

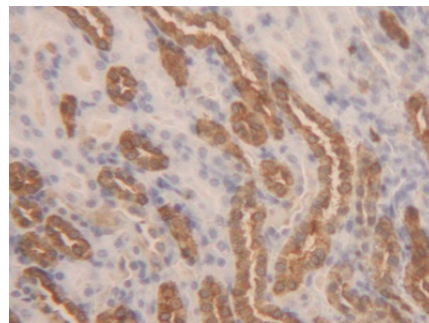
[IDENTIFICATION]



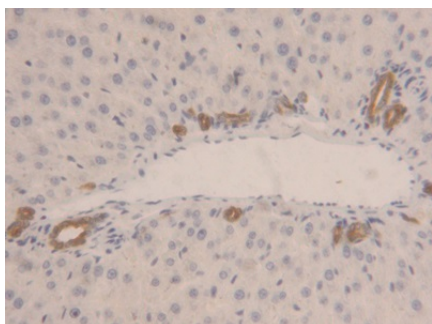
DAB staining on IHC-P; Samples: Rat Heart Tissue; Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



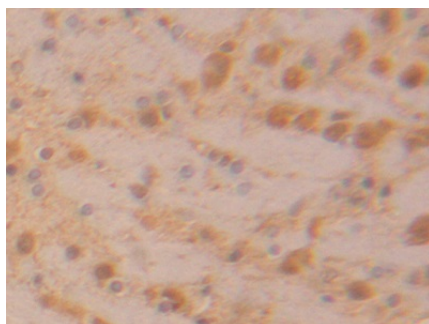
DAB staining on IHC-P;
Sample: Rat Stomach Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



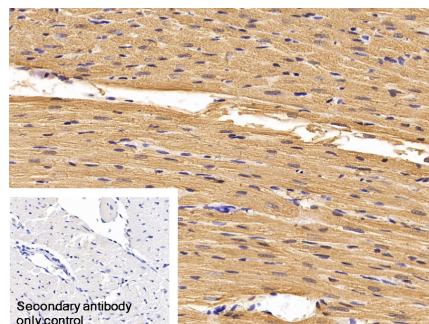
DAB staining on IHC-P;
Samples: Rat Kidney Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;
Samples: Rat Liver Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

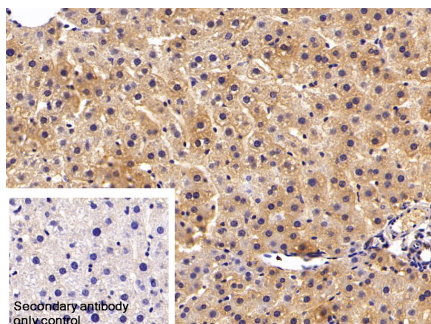


DAB staining on IHC-P;
Samples: Rat Brain Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Rat Cardiac Muscle Tissue
Primary Ab: 20µg/ml Rabbit Anti-Rat LDHB Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

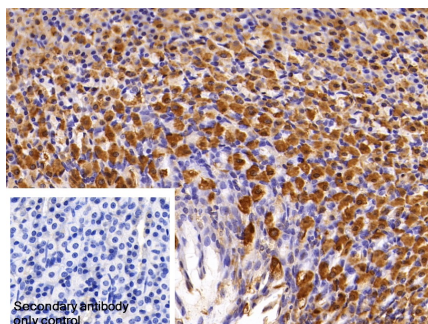
Sample: Rat Liver Tissue

Primary Ab: 20µg/ml Rabbit Anti-Rat
LDHB Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

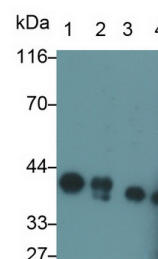
Sample: Rat Stomach Tissue

Primary Ab: 20µg/ml Rabbit Anti-Rat
LDHB Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

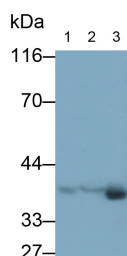


Western Blot; Sample: Lane1: Rat
Cerebrum lysate; Lane2: Mouse
Cerebrum lysate; Lane3: Jurkat cell
lysate; Lane4: A431 cell lysate

Primary Ab: 0.01µg/ml Rabbit Anti-Rat
LDHB Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

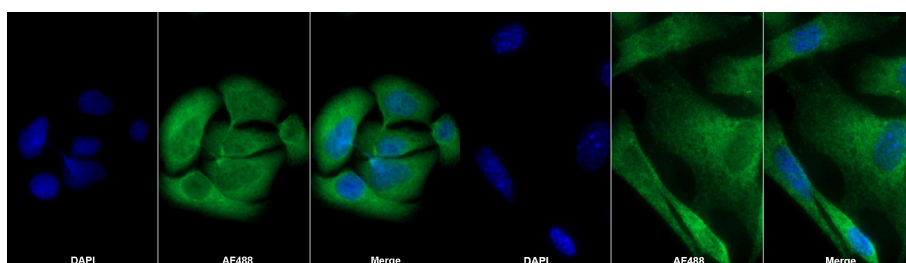


Western Blot; Samples: Lane1: Jurkat
cell lysate; Lane2: Mouse Cerebrum
lysate; Lane3: Rat Heart lysate;

Primary Ab: 0.01µg/ml Rabbit Anti-Rat
LDHB Antibody

Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: Hela cell

Primary Ab: 20µg/ml Rabbit Anti-Rat
LDHB Antibody

Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb11)

AF488 staining on IF;

Sample: NIH/3T3 cell

Primary Ab: 20µg/ml Rabbit Anti-Rat
LDHB Antibody

Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb11)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.