

PAB923Hu01

Polyclonal Antibody to Pyruvate Dehydrogenase Beta (PDHb)

Organism Species: *Homo sapiens (Human)*

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: 0.5mg/mL

UOM: 100μL

Cross Reactivity: Mouse;Rat;Porcine.

Applications: WB; ICC/IF;FCM

[IMMUNOGEN]

Immunogen: Recombinant PDHb (Leu31~Asn341) expressed in *E.coli*

Accession No.: RPB923Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunocytochemistry: 5-20μg/mL;

Flow cytometry: 20?g/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

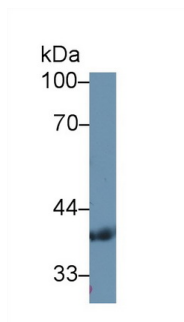
Store at 4°C for frequent use.

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

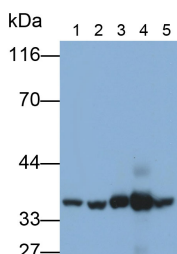
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

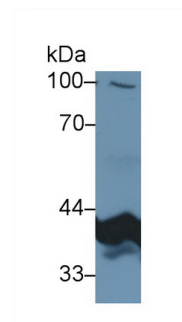
[IDENTIFICATION]



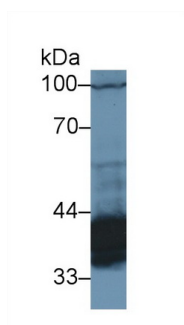
Western Blot; Sample: Human Serum;
Primary Ab: 1µg/ml Rabbit Anti-Human
PDHb Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



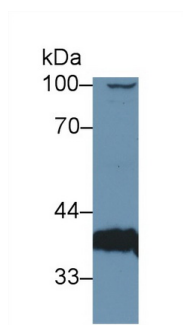
Western Blot; Samples: Lane1: Human Lung lysate; Lane2: Porcine Liver lysate; Lane3: Rat Cerebrum lysate; Lane4: Rat Heart lysate; Lane5: HepG2 cell lysate;
Primary Ab: 0.1µg/ml Rabbit Anti-Human PDHb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



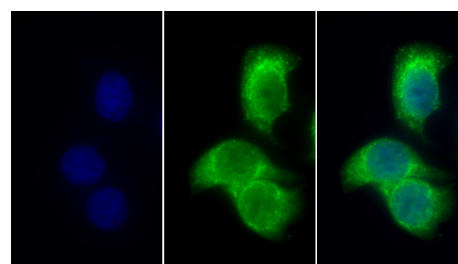
Western Blot; Sample: Human Liver lysate;
Primary Ab: 1µg/ml Rabbit Anti-Human PDHb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Rat Cerebrum lysate;
Primary Ab: 1µg/ml Rabbit Anti-Human PDHb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal



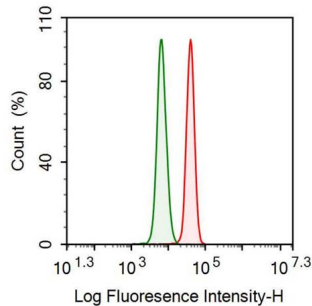
Western Blot; Sample: Human Lung lysate;
Primary Ab: 1µg/ml Rabbit Anti-Human PDHb Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal



FITC staining on IF;
Sample: Human Hela cell;
Primary Ab: 20ug/ml Rabbit Anti-Human PDHb Antibody
Second Ab: 2µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb18)

Antibody

(Catalog: SAA544Rb19)



Antibody

(Catalog: SAA544Rb19)

Human Hela cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100, then stained with 20µg/ml rabbit Anti-human PDHb Polyclonal Antibody (Catalog PAB923Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[**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.