

PAH426Hu01

Polyclonal Antibody to Pyruvate Dehydrogenase Complex Component X (PDHX)

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: 50µL

Cross Reactivity: Mouse;Rat;Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant PDHX (Val220~Thr468) expressed in *E.coli*

Accession No.: RPH426Hu01

[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 PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

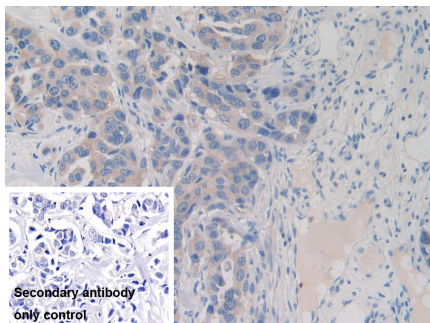
Store at 4°C for frequent use.

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]



DAB staining on IHC-P; Sample:

Human Breast cancer Tissue Primary

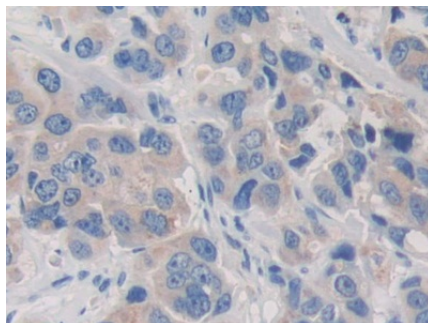
Ab: 10µg/ml Rabbit Anti-Human PDHX

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;

Samples: Human Breast cancer Tissue;

Primary Ab: 10µg/ml Rabbit Anti-

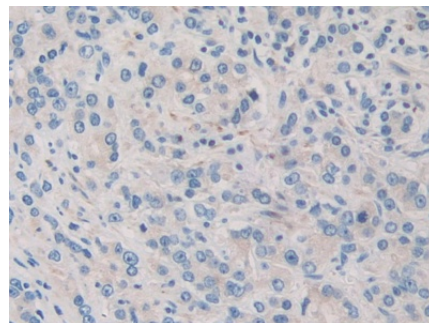
Human PDHX Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Human Prostate cancer

Tissue;

Primary Ab: 10µg/ml Rabbit Anti-

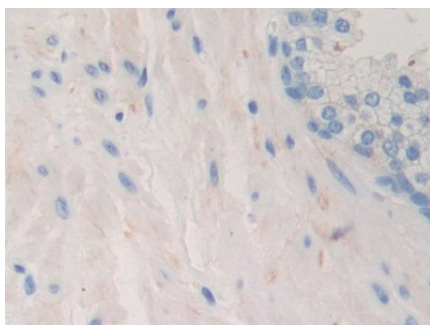
Human PDHX Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Human Prostate Tissue;

Primary Ab: 10µg/ml Rabbit Anti-

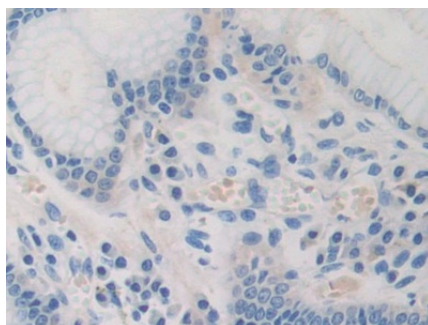
Human PDHX Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Human Stomach Tissue;

Primary Ab: 10µg/ml Rabbit Anti-

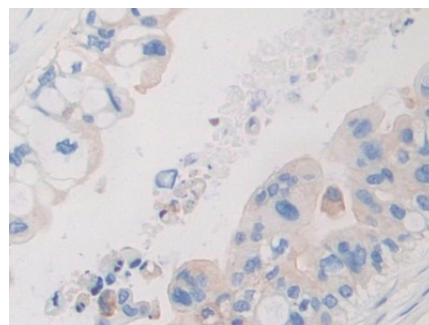
Human PDHX Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Human Bile duct cancer

Tissue;

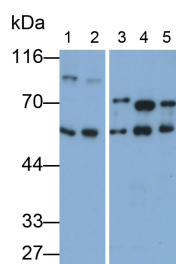
Primary Ab: 10µg/ml Rabbit Anti-

Human PDHX Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

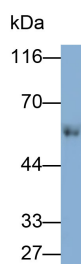


Western Blot; Samples: Lane1: A431 cell lysate; Lane2: HeLa cell lysate; Lane3: Porcine Heart lysate; Lane4: Mouse Heart lysate; Lane5: Rat Heart lysate;

Primary Ab: 0.1µg/ml Rabbit Anti-Human PDHX Antibody

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

(Catalog: SAA544Rb19)



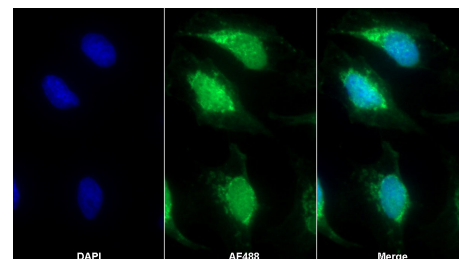
Western Blot; Sample: HCT116 cell lysate

Primary Ab: 0.1µg/ml Rabbit Anti-Human PDHX Antibody

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

(Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: U2OS cell

Primary Ab: 20µg/ml Rabbit Anti-Human PDHX Antibody

Second Ab: 2?g/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.