

**PAH428Hu01**

**Polyclonal Antibody to Prenylcysteine Oxidase 1 (PCYOX1)**

**Organism Species: *Homo sapiens* (Human)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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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:** 200 $\mu$ L

**Cross Reactivity:** Mouse.

**Applications:** WB,IHC

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant PCYOX1 (Tyr174~Leu505) expressed in *E.coli*

**Accession No.:** RPH428Hu01

## **[ APPLICATIONS ]**

Western blotting: 0.01-2 $\mu$ g/mL;

Immunohistochemistry: 5-20 $\mu$ g/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.

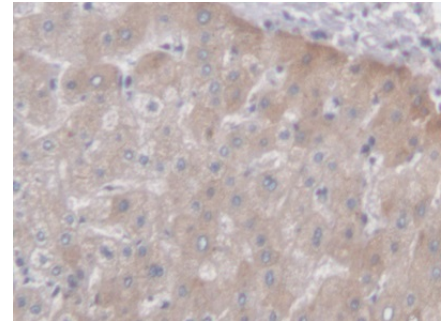
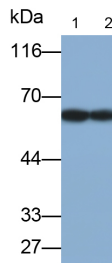
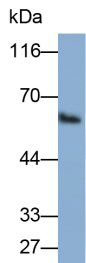
Store at 4°C for frequent use.

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.

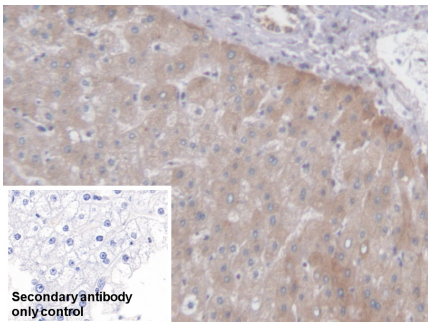
**[ IDENTIFICATION ]**



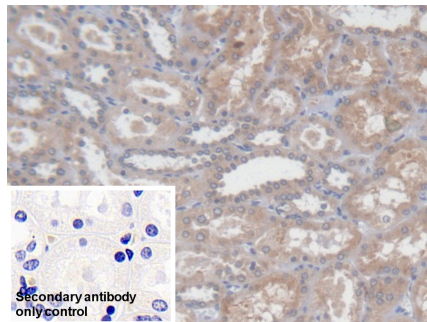
Western Blot; Sample: 293T cell lysate  
 Primary Ab: 0.3µg/ml Rabbit Anti-Human PCYOX1 Antibody  
 Second Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)

Western Blot; Samples: Lane1: Mouse Testis lysate; Lane2: Hela cell lysate;  
 Primary Ab: 0.3µg/ml Rabbit Anti-Human PCYOX1 Antibody  
 Second Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)

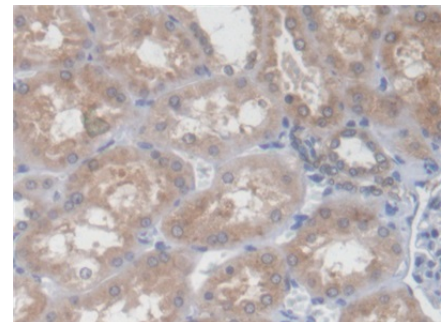
DAB staining on IHC-P;  
 Samples: Human Liver Tissue;  
 Primary Ab: 20µg/ml Rabbit Anti-Human PCYOX1 Antibody  
 Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)



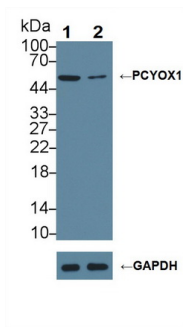
DAB staining on IHC-P;  
 Sample: Human Liver Tissue  
 Primary Ab: 20µg/ml Rabbit Anti-Human PCYOX1 Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)



DAB staining on IHC-P;  
 Sample: Human Kidney Tissue  
 Primary Ab: 20µg/ml Rabbit Anti-Human PCYOX1 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 Kidney Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human PCYOX1 Antibody  
 Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



**Knockout Varification:**

Lane 1: Wild-type HeLa cell lysate;

Lane 2: PCYOX1 knockout HeLa cell  
lysate;

Predicted MW: 49,57kd

Observed MW: 55kd

Primary Ab: 1µg/ml Rabbit Anti-Human  
PCYOX1 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal  
Antibody

(Catalog: SAA544Rb19)

**[ 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.