

PAD286Hu01

Polyclonal Antibody to Cytochrome C Oxidase Subunit IV Isoform 1 (COX4I1)

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: 20µL

Cross Reactivity: Mouse;Rat;Porcine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant COX4I1 (Met1~Lys169) expressed in *E.coli*

Accession No.: RPD286Hu01

[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.

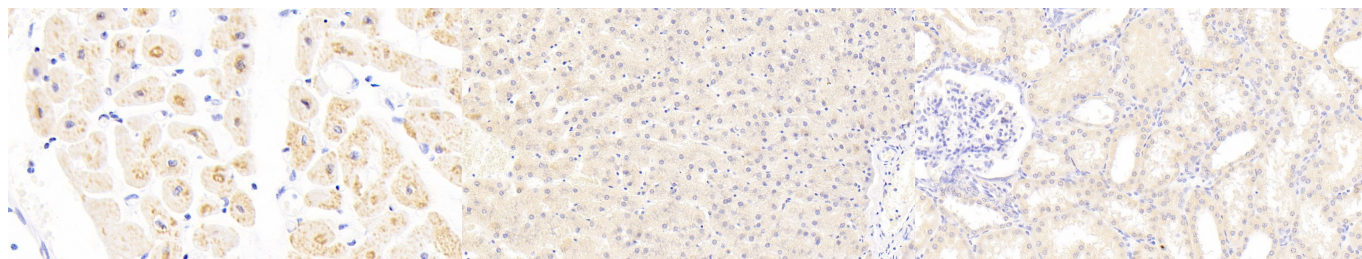
Store at 4°C for frequent use.

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.

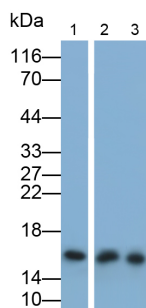
[IDENTIFICATION]



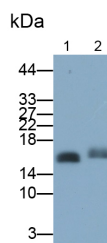
DAB staining on IHC-P; Samples:
Human Cardiac Muscle Tissue; Primary
Ab: 20?g/ml Rabbit Anti-Human
COX4I1 Antibody Second Ab:
2μg/mL HRP-Linked Caprine Anti-
Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

DAB staining on IHC-P;
Samples: Human Liver Tissue;
Primary Ab: 20?g/ml Rabbit Anti-
Human COX4I1 Antibody
Second Ab: 2μg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

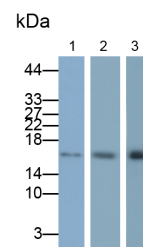
DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 20?g/ml Rabbit Anti-
Human COX4I1 Antibody
Second Ab: 2μg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



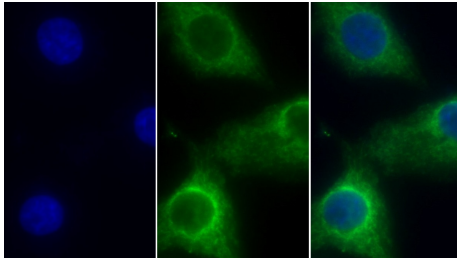
Western Blot; Samples: Lane1: Rat
Cerebrum lysate; Lane2: Porcine
Cerebrum lysate; Lane3: Porcine Liver
lysate;
Primary Ab: 0.1μg/ml Rabbit Anti-
Human COX4I1 Antibody
Second Ab: 0.2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Rat
Heart lysate; Lane2: Mouse Heart
lysate;
Primary Ab: 0.3μg/ml Rabbit Anti-
Human COX4I1 Antibody
Second Ab: 0.2μg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: HeLa
cell lysate; Lane2: Jurkat cell lysate;
Lane3: C2C12 cell lysate;
Primary Ab: 0.3μg/ml Rabbit Anti-
Human COX4I1 Antibody
Second Ab: 0.2μg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



FITC staining on IF;

Sample: Human Hela cell;

Primary Ab: 20ug/ml Rabbit Anti-

Human COX4I1 Antibody

Second Ab: 2µg/ml FITC-Linked

Caprine Anti-Rabbit IgG Polyclonal

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.