

PAF755Hu01

Polyclonal Antibody to Peroxiredoxin 5 (PRDX5)

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;Porcine

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant PRDX5 (Met1~Leu162) expressed in *E.coli*

Accession No.: RPF755Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 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.

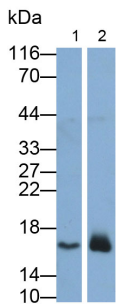
Store at 4°C for frequent use.

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

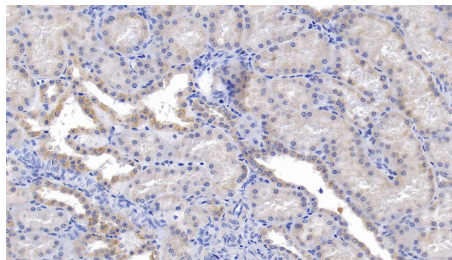
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

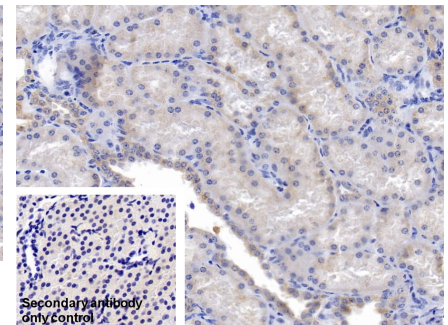
[IDENTIFICATION]



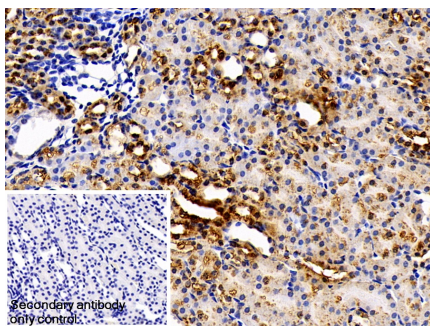
Western Blot; Samples: Lane1: Mouse Liver lysate; Lane2: Mouse Kidney lysate; Primary Ab: 0.1µg/ml Rabbit Anti-Human PRDX5 Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



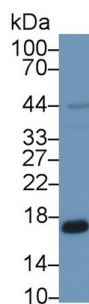
DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 20µg/ml Rabbit Anti-Human PRDX5 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



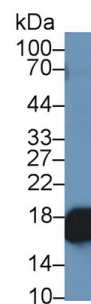
DAB staining on IHC-P; Sample: Human Kidney Tissue Primary Ab: 20µg/ml Rabbit Anti-Human PRDX5 Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Mouse Kidney Tissue Primary Ab: 10µg/ml Rabbit Anti-Human PRDX5 Antibody Control: Used PBS instead of primary antibody

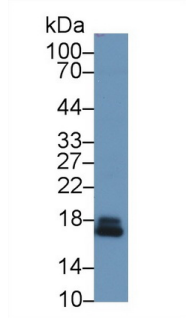


Western Blot; Sample: Human HepG2 cell lysate; Primary Ab: 1µg/ml Rabbit Anti-Human PRDX5 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal



Western Blot; Sample: Mouse Kidney lysate; Primary Ab: 1µg/ml Rabbit Anti-Human PRDX5 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

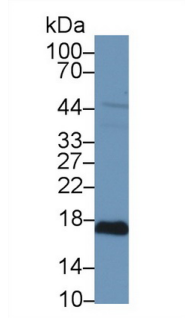
Second Ab: 2?g/ml HRP-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Testis lysate;

Primary Ab: 1µg/ml Rabbit Anti-Human
 PRDX5 Antibody
 Second Ab: 0.2µg/mL HRP-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb19)

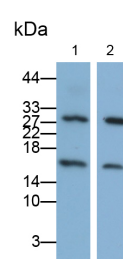
Antibody
 (Catalog: SAA544Rb19)



Western Blot; Sample: Human Hela cell lysate;

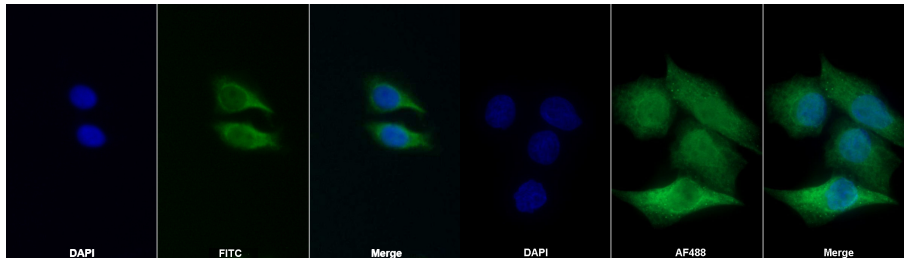
Primary Ab: 1µg/ml Rabbit Anti-Human
 PRDX5 Antibody
 Second Ab: 0.2µg/mL HRP-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb19)

Antibody
 (Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Porcine Liver lysate; Lane2: A549 cell lysate;

Primary Ab: 0.2µg/ml Rabbit Anti-
 Human PRDX5 Antibody
 Second Ab: 0.2µg/ml HRP-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb19)

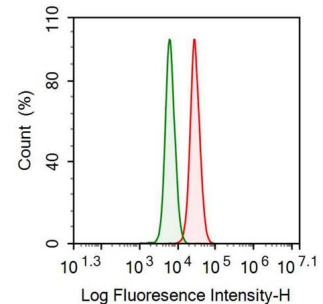


FITC staining on IF;

Samples: Human HepG2 cell;
 Primary Ab: 20?g/ml Rabbit Anti-
 Human PRDX5 Antibody
 Second Ab: 1.5?g/ml FITC-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb18)

AF488 staining on IF;

Sample: MCF7 cell
 Primary Ab: 20µg/ml Rabbit Anti-
 Human PRDX5 Antibody
 Second Ab: 2?g/ml AF488-Linked
 Caprine Anti-Rabbit IgG Polyclonal
 Antibody
 (Catalog: SAA544Rb11)



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 PRDX5 Polyclonal Antibody (Catalog PAF755Hu01, 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.