

PAB592Hu02

Polyclonal Antibody to Caspase 1 (CASP1)

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

[IMMUNOGEN]

Immunogen: Recombinant CASP1 (Ala317~His404) expressed in *E.coli*

Accession No.: RPB592Hu02

[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 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

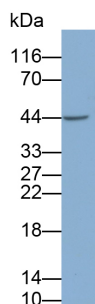
Store at 4°C for frequent use.

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

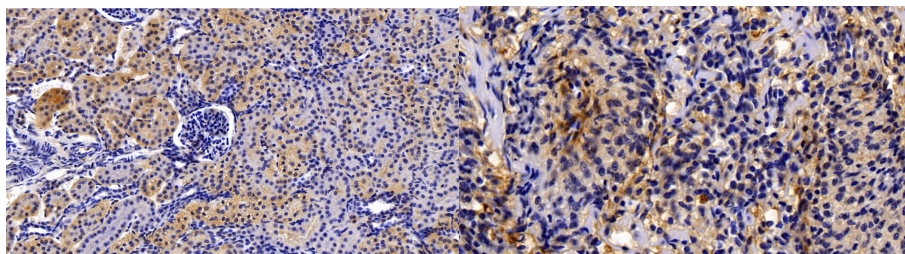
obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



Western Blot; Sample: THP1 cell lysate

Primary Ab: 0.2 μ g/ml Rabbit Anti-Human CASP1 Antibody
Second Ab: 0.2 μ g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

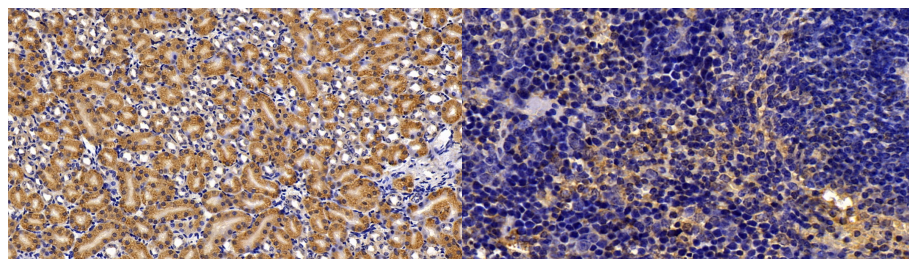


DAB staining on IHC-P;

Sample: Porcine Kidney Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Human CASP1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

DAB staining on IHC-P;

Sample: Porcine Spleen Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Human CASP1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

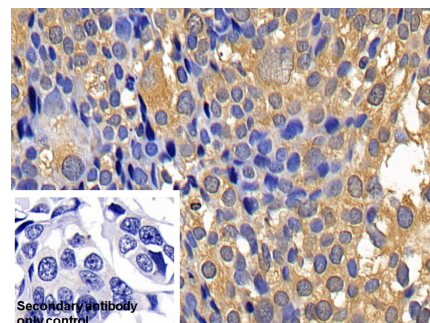


DAB staining on IHC-P;

Sample: Mouse Kidney Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Human CASP1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

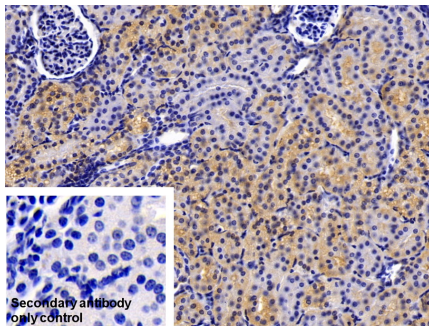
DAB staining on IHC-P;

Sample: Mouse Spleen Tissue;
Primary Ab: 20 μ g/ml Rabbit Anti-Human CASP1 Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Human Breast cancer Tissue
Primary Ab: 20 μ g/ml Rabbit Anti-Human CASP1 Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2 μ g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

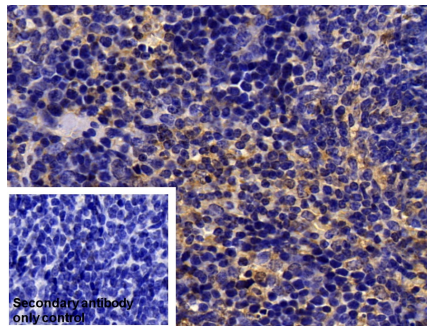
Sample: Porcine Kidney Tissue

Primary Ab: 20µg/ml Rabbit Anti-Human CASP1 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;

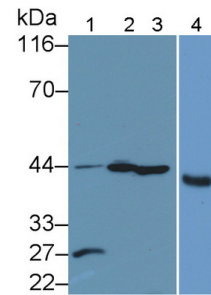
Sample: Mouse Spleen Tissue

Primary Ab: 20µg/ml Rabbit Anti-Human CASP1 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Human

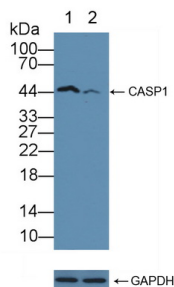
Lung lysate; Lane2: HeLa cell lysate;

Lane3: MCF7 cell lysate; Lane4: Porcine Lymph node lysate

Primary Ab: 0.2µg/ml Rabbit Anti-Human CASP1 Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type HeLa cell lysate;

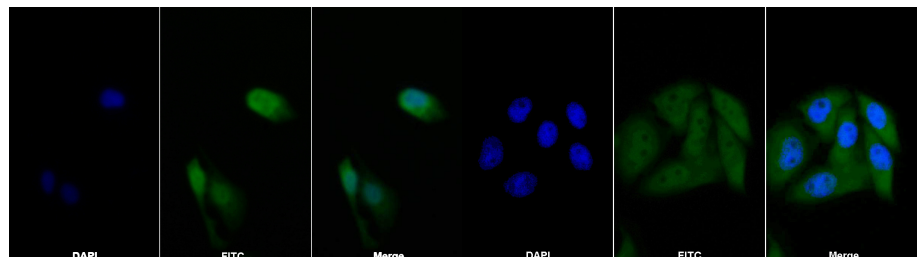
Lane 2: CASP1 knockout HeLa cell lysate;

Predicted MW: 10,29~45kd

Observed MW: 45kd

Primary Ab: 1µg/ml Rabbit Anti-Human CASP1 Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



FITC staining on IF;

Samples: Human U2OS cell;

Primary Ab: 20µg/ml Rabbit Anti-Human CASP1 Antibody

Second Ab: 1.5µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb18)

Sample: MCF7 cell

Primary Ab: 20µg/ml Rabbit Anti-Human CASP1 Antibody

Second Ab: 2µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb11)

(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.