

**PAB592Po01**

**Polyclonal Antibody to Caspase 1 (CASP1)**

**Organism Species: *Sus scrofa*; Porcine (Pig)**

***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:** 200μL

**Cross Reactivity:** Human

**Applications:** WB; IHC; ICC/IF

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant CASP1 (Asn120~Asp297) expressed in *E.coli*

**Accession No.:** RPB592Po01

## **[ APPLICATIONS ]**

Western blotting: 0.01-5μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 5-30μg/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.

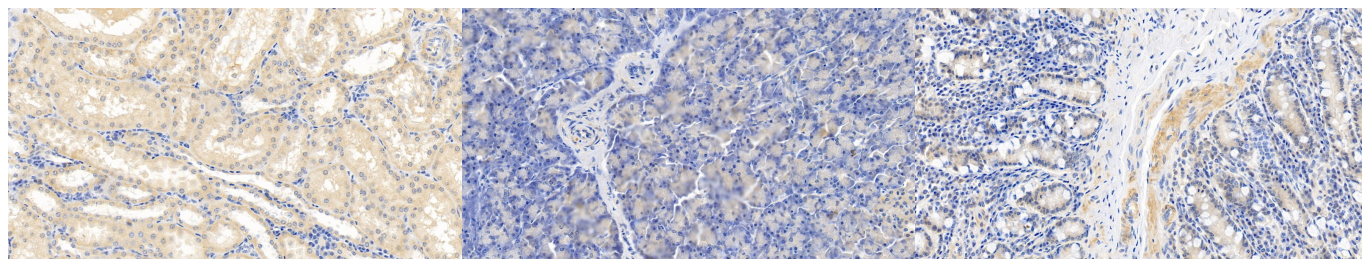
Store at 4°C for frequent use.

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 ]



DAB staining on IHC-P;

Samples: Porcine Kidney Tissue;

Primary Ab: 10µg/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)

DAB staining on IHC-P;

Samples: Porcine Pancreas Tissue;

Primary Ab: 10µg/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)

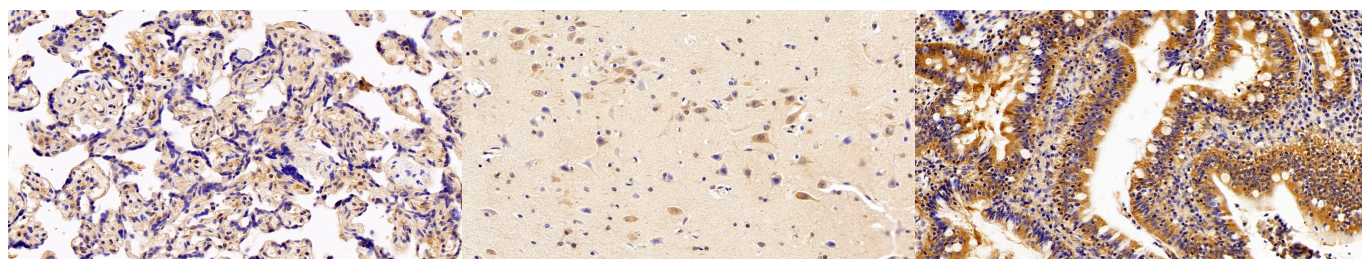
DAB staining on IHC-P;

Samples: Porcine Small intestine Tissue;

Primary Ab: 10µg/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Human Placenta Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)

DAB staining on IHC-P;

Sample: Porcine Cerebrum Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)

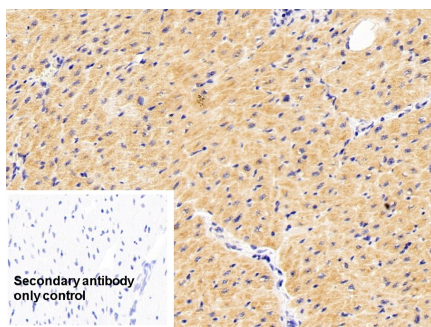
DAB staining on IHC-P;

Sample: Porcine Small intestine Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Porcine CASP1 Antibody

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

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

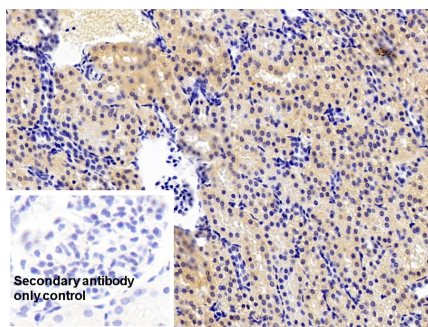
Sample: Porcine Cardiac Muscle  
Tissue

Primary Ab: 10µg/ml Rabbit Anti-  
Porcine CASP1 Antibody

Control: Used PBS instead of primary  
antibody

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

(Catalog: SAA544Rb19)



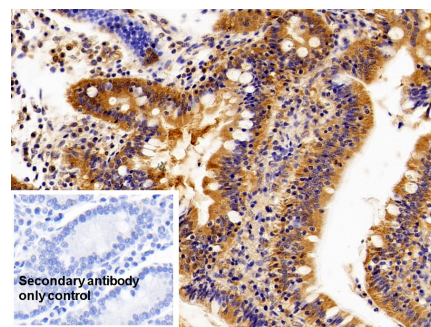
DAB staining on IHC-P;

Sample: Porcine Kidney Tissue

Primary Ab: 10µg/ml Rabbit Anti-  
Porcine CASP1 Antibody  
Control: Used PBS instead of primary  
antibody

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

(Catalog: SAA544Rb19)

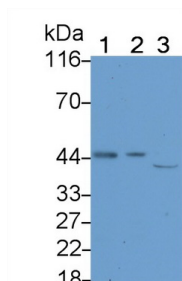


DAB staining on IHC-P; Sample:

Porcine Small intestine Tissue Primary

Ab: 10µg/ml Rabbit Anti-Porcine  
CASP1 Antibody Control: Used PBS  
instead of primary antibody

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

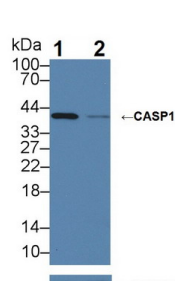


Western Blot; Sample: Lane1: Porcine  
Spleen lysate; Lane2: Porcine Lung  
lysate; Lane3: Raji cell lysate

Primary Ab: 1?g/ml Rabbit Anti-Porcine  
CASP1 Antibody

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

(Catalog: SAA544Rb19)



Knockout Varification:

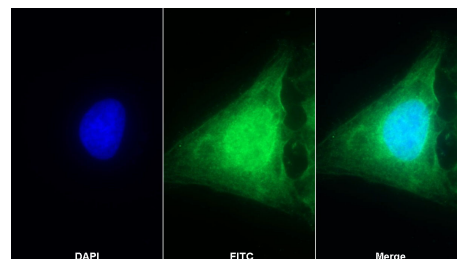
Lane 1: Wild-type Raji cell lysate;  
Lane 2: CASP1 knockout Raji cell  
lysate;

Predicted MW: 10,30,35,43,45kDa

Observed MW: 42kDa

Primary Ab: 5µg/ml Rabbit Anti-Porcine  
CASP1 Antibody

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



FITC staining on IF;

Sample: U2OS cell

Primary Ab: 30µg/ml Rabbit Anti-  
Porcine CASP1 Antibody

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

(Catalog: SAA544Rb11)

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.