

**PAC962Hu01**

**Polyclonal Antibody to Calpain 9 (CAPN9)**

**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:** 100µL

**Cross Reactivity:** Porcine

**Applications:** WB,IHC

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant CAPN9 (Leu42~Ala340) expressed in *E.coli*

**Accession No.:** RPC962Hu01

### **[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL;1:500-2000;

Immunohistochemistry: 5-20µg/mL;1:50-200;

Immunocytochemistry: 5-20µg/mL;1:50-200;

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 ]**

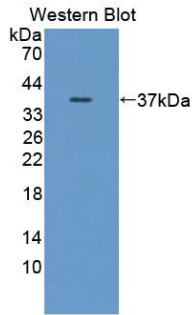
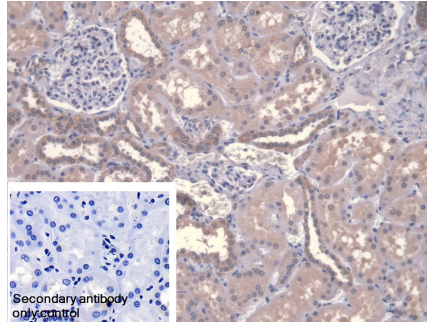
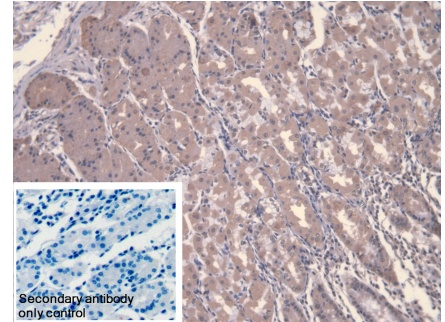


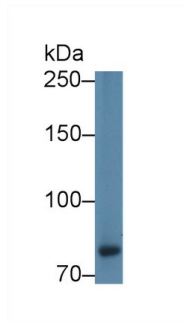
Figure. Western Blot; Sample: Recombinant CAPN9, Human.



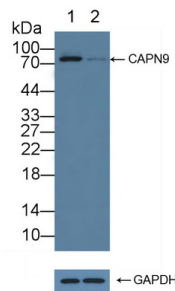
DAB staining on IHC-P;  
 Sample: Human Kidney Tissue  
 Primary Ab: 20µg/ml Rabbit Anti-Human CAPN9 Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)



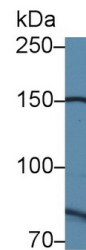
DAB staining on IHC-P;  
 Sample: Human Stomach Tissue  
 Primary Ab: 20µg/ml Rabbit Anti-Human CAPN9 Antibody  
 Control: Used PBS instead of primary antibody  
 Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)



Western Blot; Sample: Human HCT116 cell lysate;  
 Primary Ab: 1µg/ml Rabbit Anti-Human CAPN9 Antibody  
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Knockout Verification:  
 Lane 1: Wild-type HCT116 cell lysate;  
 Lane 2: CAPN9 knockout HCT116 cell lysate;  
 Predicted MW: 76,79kd  
 Observed MW: 80kd  
 Primary Ab: 1µg/ml Rabbit Anti-Human



Western Blot; Sample: Porcine Small intestine lysate;  
 Primary Ab: 1µg/ml Rabbit Anti-Human CAPN9 Antibody  
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

CAPN9 Antibody

(Catalog: SAA544Rb19)

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.