

MAA591Mi21

Monoclonal Antibody to Proliferating Cell Nuclear Antigen (PCNA)

Organism Species: *Homo sapiens* (Human), *Mus musculus* (Mouse), *Rattus norvegicus* (Rat), *Canis familiaris*; Canine (Dog), *Sus scrofa*; Porcine (Pig)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C4

Traits: Liquid

Concentration: 1mg/mL

UOM: 10µL

Cross Reactivity: Cavia; Bovine; Caprine;Ovine

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant PCNA (Leu6~Ser261) expressed in *E.coli*

Accession No.: RPA591Mi01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunocytochemistry: 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.

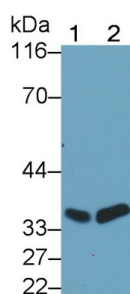
Store at 4°C for frequent use.

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

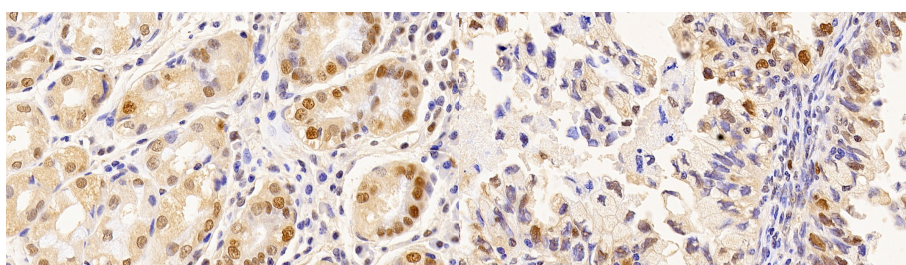
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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]

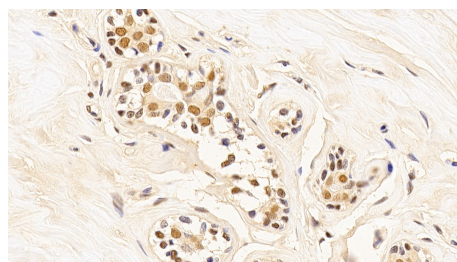


Western Blot; Sample: Lane1: Rat Spleen lysate; Lane2: 293T cell lysate
Primary Ab: 0.01µg/ml Mouse Anti-Multi-species PCNA Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

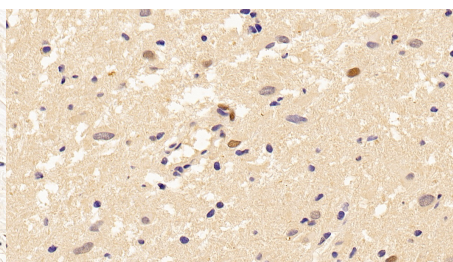


DAB staining on IHC-P;
Sample: Human Stomach Tissue;
Primary Ab: 20ug/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

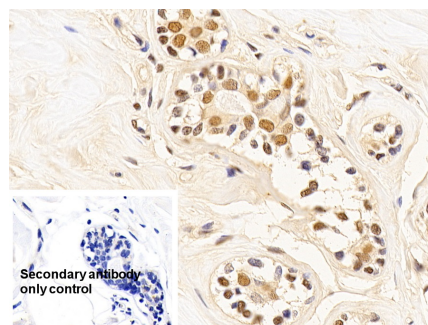
DAB staining on IHC-P;
Sample: Human Endometrial cancer Tissue;
Primary Ab: 20ug/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Mammary gland Tissue;
Primary Ab: 20ug/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Cerebrum Tissue;
Primary Ab: 20ug/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

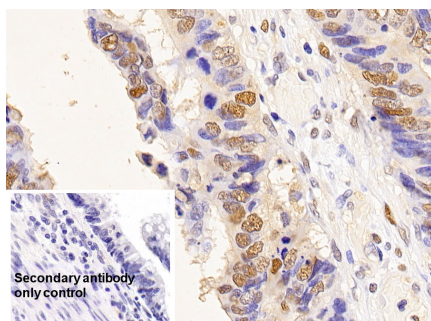


DAB staining on IHC-P;
Sample: Human Mammary gland Tissue
Primary Ab: 20µg/ml Mouse Anti-Multi-species PCNA Antibody
Control: Used PBS instead of primary antibody
Second Ab: 2µg/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Colorectal cancer
Tissue

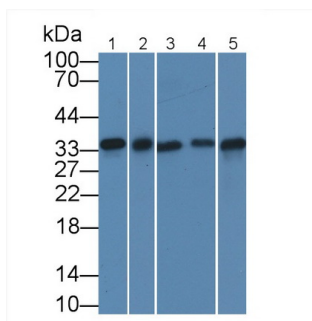
Primary Ab: 20µg/ml Mouse Anti-Multi-
species PCNA Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2µg/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: MCF7

cell lysate; Lane2: ECV304 cell lysate;
Lane3: Mouse Testis lysate; Lane4:

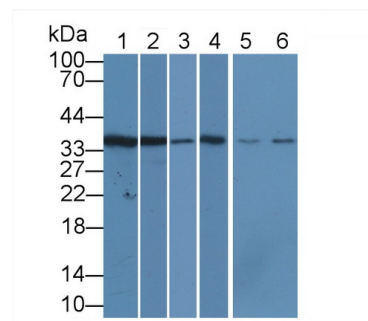
Mouse Small Intestine lysate; Lane5:
Mouse Thymus lysate

Primary Ab: 0.5µg/ml Mouse Anti-Multi-
species PCNA Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Rat

Spleen lysate; Lane2: Porcine Spleen
lysate; Lane3: Bovine Heart lysate;

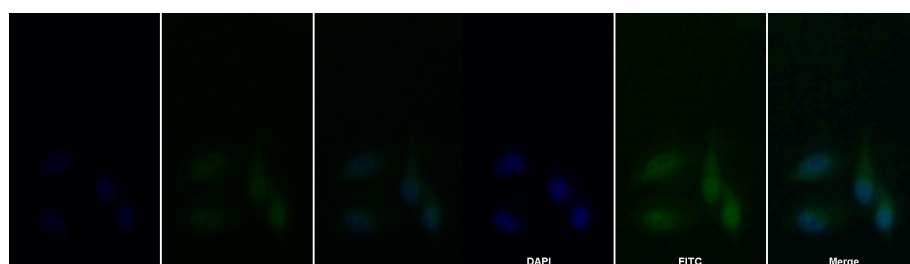
Lane4: Canine Liver lysate; Lane5:
Cavia Spleen lysate; Lane6: Caprine

Cerebrum lysate
Primary Ab: 2µg/ml Mouse Anti-Multi-
species PCNA Antibody

Second Ab: 0.2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



FITC staining on IF;

Sample: Human MCF7 cell;

Primary Ab: 20µg/ml Mouse Anti-Multi-
species PCNA Antibody

Second Ab: 0.75µg/ml FITC-Linked

Caprine Anti-Mouse IgG Polyclonal
Antibody

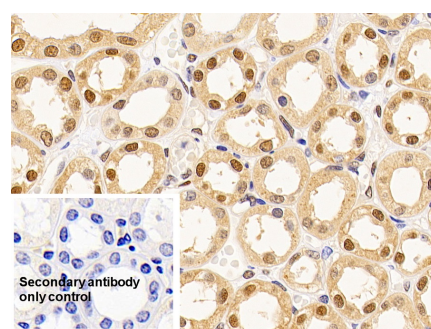
Sample: MCF7 cell

Primary Ab: 20µg/ml Mouse Anti-Multi-
species PCNA Antibody

Second Ab: 2µg/ml FITC-Linked

Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu11)



DAB staining on IHC-P;

Sample: Human Kidney Tissue

Primary Ab: 20µg/ml Mouse Anti-Multi-
species PCNA Antibody

Control: Used PBS instead of primary
antibody

(Catalog: SAA544Mu18)

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

[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.