

MAA591Mi22

Monoclonal Antibody to Proliferating Cell Nuclear Antigen (PCNA)

Organism Species: *Homo sapiens* (Human), *Mus musculus* (Mouse), *Rattus norvegicus* (Rat), *Oryctolagus cuniculus* (Rabbit), *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: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Clone number: C7

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µg(100µL)

Cross Reactivity: Cavia; Bovine; Caprine;Ovine;Equine;Gallus

Applications: WB; IHC

[IMMUNOGEN]

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

Accession No.: RPA591Mi01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 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.

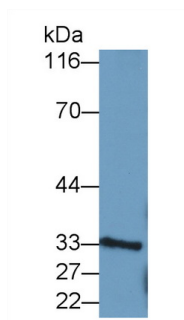
Store at 4°C for frequent use.

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

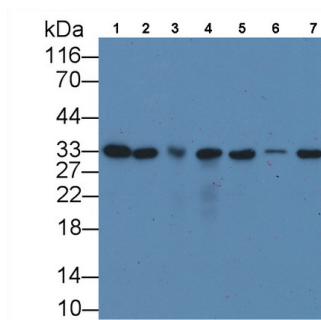
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

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.

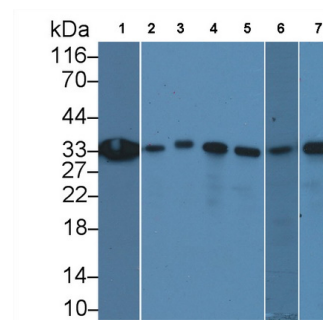
[IDENTIFICATION]



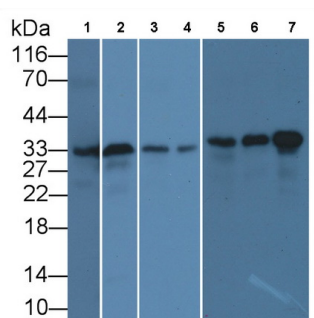
Western Blot; Sample: Rabbit Pancreas lysate Primary Ab: 2µg/ml Mouse Anti-Multi-species PCNA Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



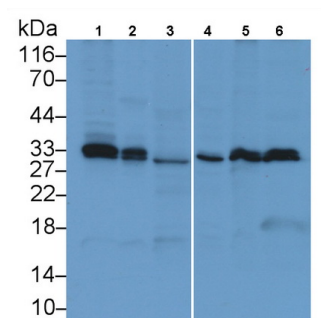
Western Blot; Sample: Lane1: A549 cell lysate; Lane2: 293T cell lysate; Lane3: A875 cell lysate; Lane4: HepG2 cell lysate; Lane5: Hela cell lysate; Lane6: K562 cell lysate; Lane7: MCF7 cell lysate
Primary Ab: 0.5µg/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



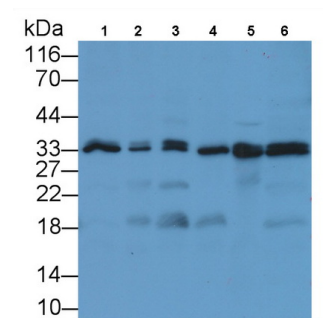
Western Blot; Sample: Lane1: U87MG cell lysate; Lane2: SGC7901 cell lysate; Lane3: ECV304 cell lysate; Lane4: PC3 cell lysate; Lane5: A375 cell lysate; Lane6: A431 cell lysate; Lane7: Jurkat cell lysate
Primary Ab: 0.5µg/ml Mouse Anti-Multi-species PCNA Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Mouse Liver lysate; Lane2: Mouse Spleen lysate; Lane3: Mouse Testis lysate; Lane4: Mouse Small intestine lysate;

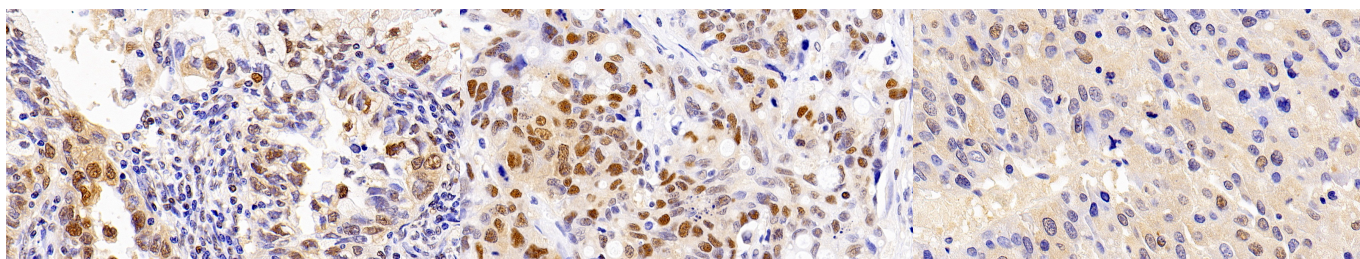


Western Blot; Sample: Lane1: Human Lung lysate; Lane2: Human Placenta lysate; Lane3: Mouse Cerebrum lysate; Lane4: Rat Cerebrum lysate; Lane5:

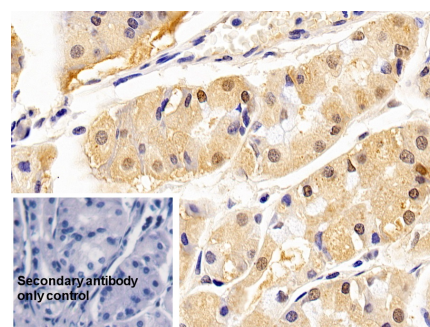
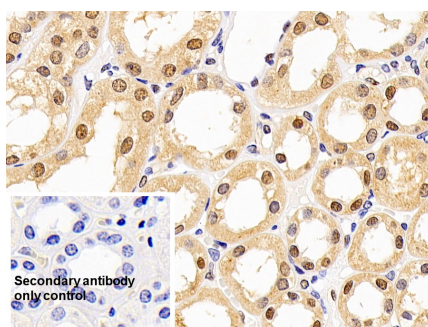
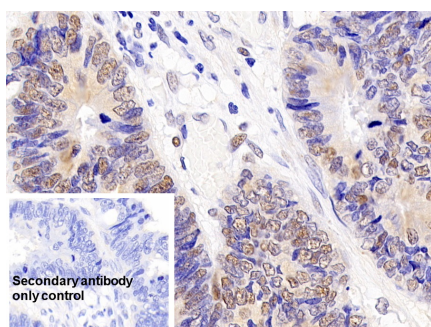


Western Blot; Sample: Lane1: Canine Cerebrum lysate; Lane2: Porcine Cerebrum lysate; Lane3: Bovine Cerebrum lysate; Lane4: Gallus

Lane5: Mouse Lymph node lysate; Lane6: Mouse Ovary lysate; Lane7: 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)	Rat Liver lysate; Lane6: Cavia Cerebrum lysate Primary Ab: 1µg/ml Mouse Anti-Multi- species PCNA Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)	Cerebrum lysate; Lane5: Equine Liver lysate; Lane6: Caprine Cerebrum lysate Primary Ab: 1µg/ml Mouse Anti-Multi- species PCNA Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)
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DAB staining on IHC-P; Sample: Human Endometrial cancer Tissue; Primary Ab: 10µg/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 Lymphoma Tissue; Primary Ab: 10µg/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 Liver cancer Tissue; Primary Ab: 10µg/ml Mouse Anti-Multi- species PCNA Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)
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DAB staining on IHC-P; Sample: Human Colorectal cancer Tissue Primary Ab: 10µg/ml Mouse Anti-Multi- species PCNA Antibody	DAB staining on IHC-P; Sample: Human Kidney Tissue Primary Ab: 10µg/ml Mouse Anti-Multi- species PCNA Antibody	DAB staining on IHC-P; Sample: Human Stomach Tissue Primary Ab: 10µg/ml Mouse Anti-Multi- species PCNA Antibody
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species PCNA Antibody	Control: Used PBS instead of primary	Control: Used PBS instead of primary
Control: Used PBS instead of primary	antibody	antibody
antibody	Second Ab: 2µg/ml HRP-Linked	Second Ab: 2µg/ml HRP-Linked
Second Ab: 2µg/ml HRP-Linked	Caprine Anti-Mouse IgG Polyclonal	Caprine Anti-Mouse IgG Polyclonal
Caprine Anti-Mouse IgG Polyclonal	Antibody	Antibody
Antibody	(Catalog: SAA544Mu19)	(Catalog: SAA544Mu19)
(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.