

# PCNA Polyclonal Antibody

## Product Details

Size	500 µL
Species Reactivity	Dog, Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human PCNA protein
Form	Liquid
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.6, with 1% BSA
Contains	0.1% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10984781

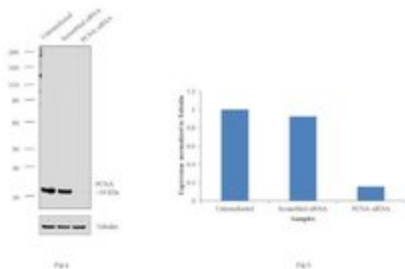
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	5 µg/mL	-
Immunofluorescence (IF)	5 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	Assay dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Western Blot (WB)	1 µg/mL	-

## Product Specific Information

Methanol fixation is recommended for IF applications. Paraformaldehyde fixation for IF will result in mostly nuclear staining with some cytoplasmic staining.

### PCNA Antibody (PA5-16797)

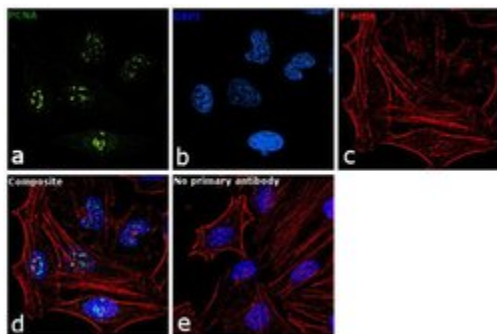
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with PCNA siRNA and reduction of signal was observed in Western Blot using PCNA Polyclonal Antibody (Product # PA5-16797). Knockdown validation info.



### Product Images For PCNA Polyclonal Antibody

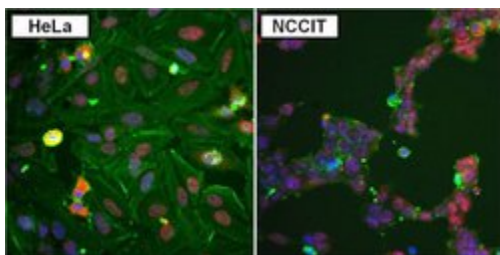
#### PCNA Antibody (PA5-16797) in IF

Immunofluorescence analysis of PCNA was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with PCNA Polyclonal Antibody (Product # PA5-16797) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



#### PCNA Antibody (PA5-16797) in IF

Immunofluorescent analysis of PCNA (purple) in HeLa (left panel) and NCCIT (right panel) cells. The cells were fixed and permeabilized with ice-cold methanol for 15 minutes, and blocked with 1% Blocker BSA in PBS (Product # 37525) for 15 minutes at room temperature. Cells were stained with a PCNA polyclonal antibody (Product # PA5-16797) at a dilution of 1:50 in 1% Blocker BSA in PBS (Product # 37525) for 1 hour at room temperature, and then incubated with a DyLight 594-conjugated goat anti-rabbit IgG secondary antibody (Product # 35560) at a dilution of 1:250 for 30 minutes at room temperature. Actin (green) was stained with a DyLight 488-conjugated beta-actin monoclonal antibody (Product # MA5-15739-D488) and nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



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