

Product datasheet for **TA309795**

PCNA Mouse Monoclonal Antibody [Clone ID: PC10]

Product data:

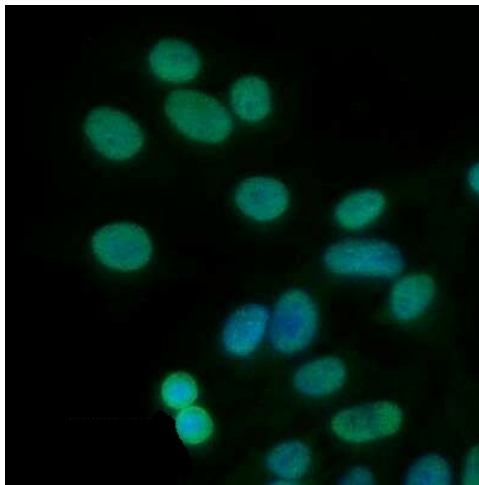
Product Type:	Primary Antibodies
Clone Name:	PC10
Applications:	ChIP, ELISA, FC, ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Chromatin Immunoprecipitation: 1:10 - 1:500, Immunohistochemistry Free-Floating, Immunohistochemistry: 1:10-1:500, Chromatin Immunoprecipitation (ChIP): 1:10-1:500, Flow Cytometry: 1:10-1:1000, Immunocytochemistry/ Immunofluorescence: 1:1000-1:2000, Immunohistochemistry-Paraffin: 1:500-1:1000, ELISA, Simple Western: 1:200, Immunoprecipitation: 1:100, Western Blot: 1:2000, Immunohistochemistry-Frozen: 1:10-1:500
Reactivity:	Chicken, Drosophila, Human, Mouse, Rat, Yeast
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Proliferating cell nuclear antigen, (PCNA), also known as cyclin or polymerase delta accessory protein
Formulation:	Tris-glycine, 150mM NaCl and 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	proliferating cell nuclear antigen
Database Link:	NP_002583 Entrez Gene 18538 Mouse Entrez Gene 25737 Rat Entrez Gene 5111 Human P12004
Synonyms:	ATLD2
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair



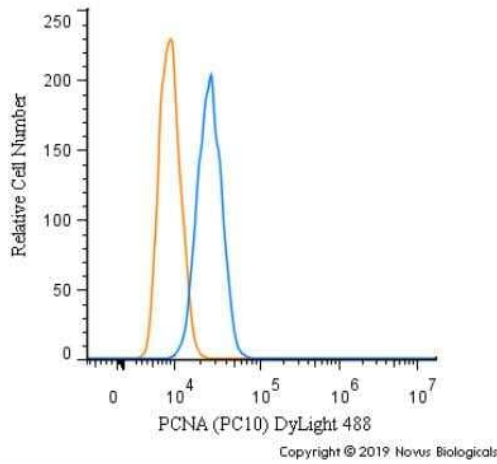
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Product images:

Simple Western: PCNA Antibody (PC10) TA309795 - Image shows a specific band for PCNA in 0.5 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



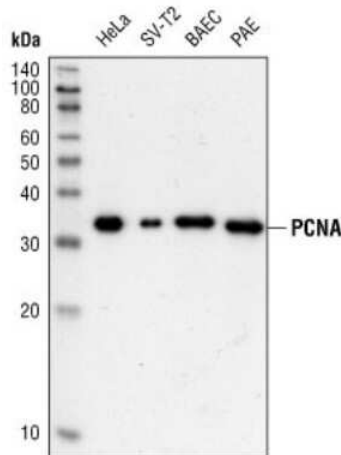
Immunocytochemistry/Immunofluorescence: PCNA Antibody (PC10) TA309795 - HeLa cells were fixed and permeabilized for 10 minutes using cold (-20C) MeOH. The cells were incubated with anti-PCNA [PC10] at 5 ug/mL overnight at 4C and detected with an anti-mouse IgG Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Flow Cytometry: PCNA Antibody (PC10) TA309795 - An intracellular stain was performed on HepG2 cells with PCNA Antibody (PC10) [TA309795G] (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 488.



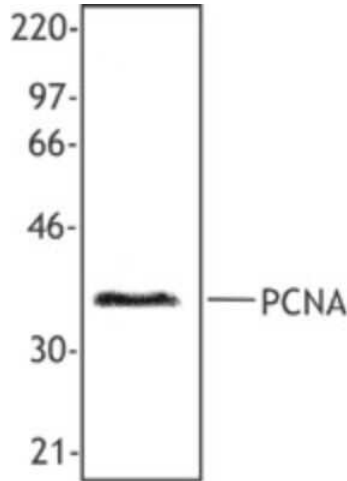
Immunocytochemistry/Immunofluorescence: PCNA Antibody (PC10) TA309795 - PC12 cells were fixed and permeabilized for 10 minutes using -20C MeOH. The cells were incubated with anti-PCNA Antibody (PC10) TA309795 at 1 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



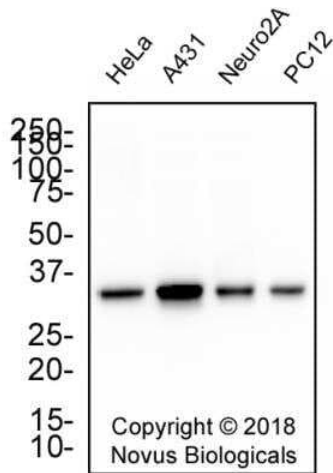
Western Blot: PCNA Antibody (PC10) TA309795 - Analysis of human (HeLa lysate), murine (SV-T2 lysate), bovine (BAEC lysate), and porcine (PAE lysate) cell extracts.



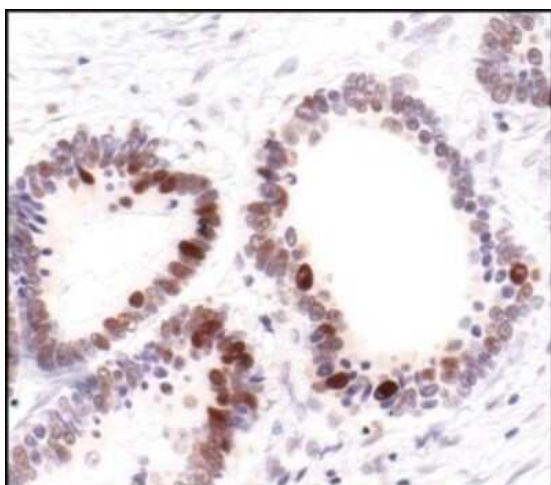
Immunocytochemistry/Immunofluorescence: PCNA Antibody (PC10) TA309795 - NIH3T3 cells were fixed and permeabilized for 10 minutes using -20C MeOH. The cells were incubated with anti-PCNA Antibody (PC10) TA309795 at 1 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



Western Blot: PCNA Antibody (PC10) TA309795 - HeLa cell nuclear extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-PCNA antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



Western Blot: PCNA Antibody (PC10) TA309795 - Whole cell protein from human HeLa, A431, mouse Neuro2A and rat PC12 cells was separated on a 4-20% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/mL anti-Histone h3 in block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



Immunohistochemistry-Paraffin: PCNA Antibody (PC10) TA309795 - Analysis of paraffin-embedded human colon carcinoma, showing nuclear localization.