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Product Data Sheet

Anti-PCNA Antibody

Catalog #	Source	Reactivity	Applications
CQA8434	Mouse	H, M, R, Mk, Ha	WB, IH, IF/IC, IP

Description	Mouse monoclonal antibody to PCNA
Immunogen	Purified recombinant human PCNA protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PCNA protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100), IP (1/10 - 1/50)
Gene Symbol	PCNA
Alternative Names	Proliferating cell nuclear antigen; PCNA; Cyclin
Entrez Gene	5111 (Human); 18538 (Mouse); 25737 (Rat)
SwissProt	P12004 (Human); P17918 (Mouse); P04961 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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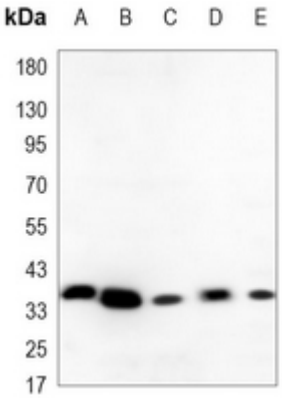
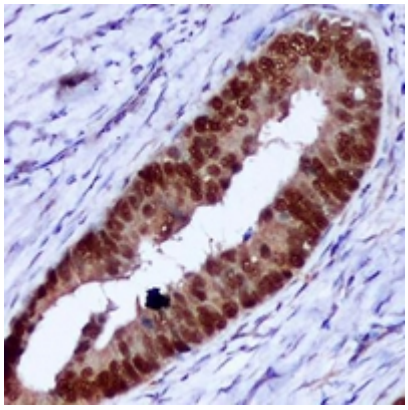
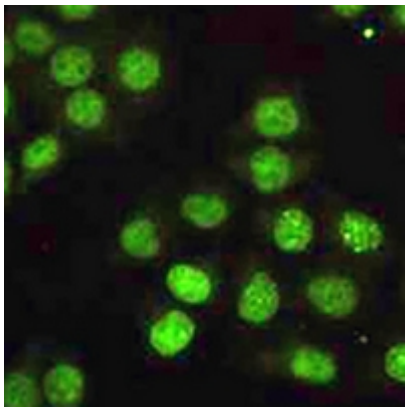


Western blot analysis of PCNA expression in Hela (A), NIH3T3 (B), COS7 (C), C6 (D), CHOK1 (E) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 36 kD)



Immunohistochemical analysis of PCNA staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of PCNA staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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