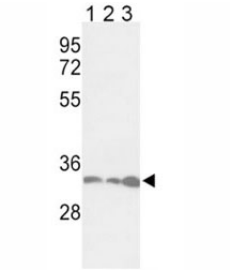
Anti-PCNA Antibody (F48250)

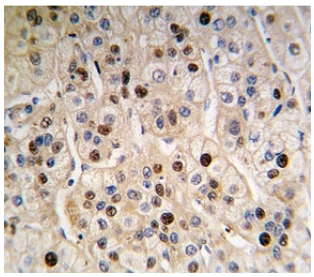
Catalog No.	Formulation	Size
F48250-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48250-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

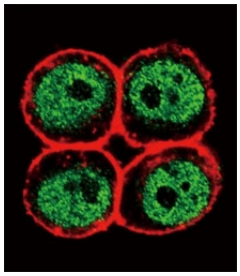
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Chicken, Hamster, Mouse, Primate, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P12004
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This anti-PCNA antibody is available for research use only.



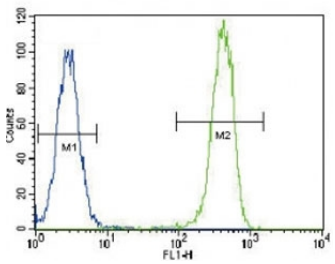
Western blot analysis of anti-PCNA antibody and 1) Jurkat, 2) HeLa, and 3) 293 lysate. Predicted molecular weight ~29kDa, routinely observed at 29~36kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with anti-PCNA antibody



Confocal immunofluorescent analysis of anti-PCNA antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Anti-PCNA antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

PCNA is found in the nucleus and is a cofactor of DNA polymerase delta. This protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway.

Application Notes

Titration of the anti-PCNA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 89-117 from the human protein was used as the immunogen for this anti-PCNA antibody.

Storage

Aliquot the anti-PCNA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com