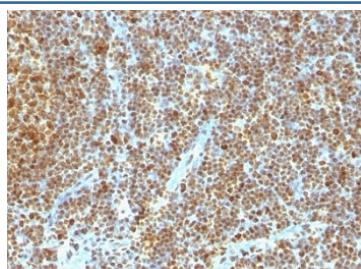


## Anti-PCNA Antibody [clone SPM350] (V9064)

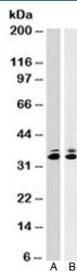
Catalog No.	Formulation	Size
V9064-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9064-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9064SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9064IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	SPM350
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P12004
<b>Localization</b>	Predominantly nuclear, some cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This anti-PCNA antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with anti-PCNA antibody (clone SPM350).



Western blot testing of A) human HeLa and B) mouse NIH3T3 cell lysates with anti-PCNA antibody (clone SPM350). Predicted molecular weight ~29 kDa, routinely observed at 29~36 kDa.

## Description

Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases.

## Application Notes

The optimal dilution of the anti-PCNA antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Rat PCNA protein was used as the immunogen for this anti-PCNA antibody.

## Storage

Store the anti-PCNA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).