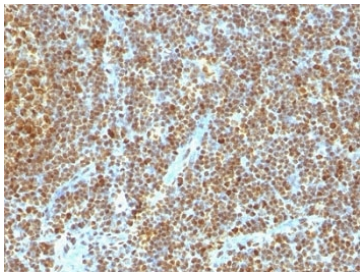
# Anti-PCNA Antibody [clone SPM350] (V9064)

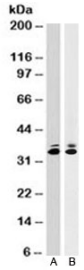
| Catalog No. | Formulation | Size |
|---|---|---|
| V9064-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V9064-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V9064SAF-100UG | 1 mg/ml in 1X PBS; BSA free,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

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a, kappa |
| **Clone Name** | SPM350 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P12004 |
| **Localization** | Predominantly nuclear, some cytoplasmic |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT |
| **Limitations** | 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).


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