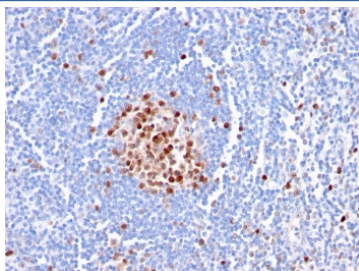


## PCNA Antibody [clone PC5] (V7998)

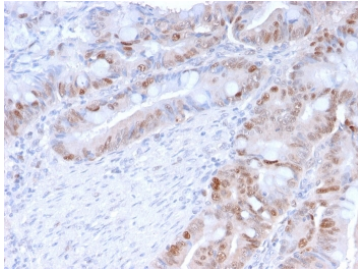
Catalog No.	Formulation	Size
V7998-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7998-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7998SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

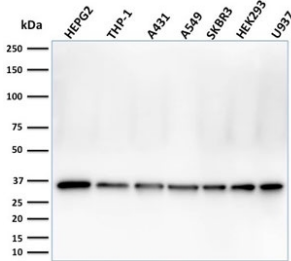
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PC5
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P12004
<b>Localization</b>	Predominantly nuclear, some cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This PCNA antibody is available for research use only.



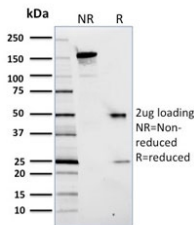
IHC staining of FFPE human tonsil with PCNA antibody (clone PC5). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colon carcinoma with PCNA antibody (clone PC5). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human samples with PCNA antibody (clone PC5). Expected molecular weight: 29-36 kDa.



SDS-PAGE analysis of purified, BSA-free PCNA antibody (clone PC5) as confirmation of integrity and purity.

## 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

Optimal dilution of the PCNA antibody should be determined by the researcher.

## Immunogen

A rat PCNA/protein A fusion protein was used as the immunogen for this PCNA antibody.

## Storage

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

