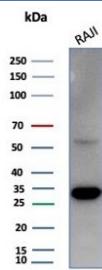


## PCNA Antibody / Proliferating Cell Nuclear Antigen [clone PCNA/4540] (V4822)

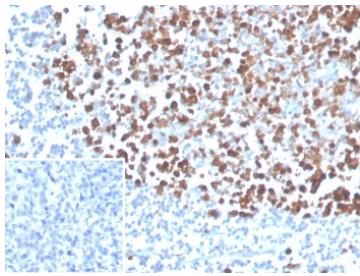
Catalog No.	Formulation	Size
V4822-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4822-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4822SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

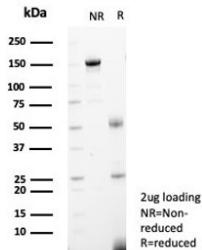
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PCNA/4540
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P12004
<b>Localization</b>	Nucleus, Cytoplasm
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This PCNA antibody is available for research use only.



Western blot testing of human Raji cell lysate with PCNA antibody (clone PCNA/4540). Predicted molecular weight ~29 kDa, routinely observed at 29~36 kDa.



IHC staining of FFPE human tonsil tissue with PCNA antibody (clone PCNA/4540) at 2ug/ml. Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free PCNA antibody (clone PCNA/4540) 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. This mAb is excellent for multiple applications.

## Application Notes

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

## Immunogen

Recombinant full-length human PCNA protein was used as the immunogen for the PCNA antibody.

## Storage

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