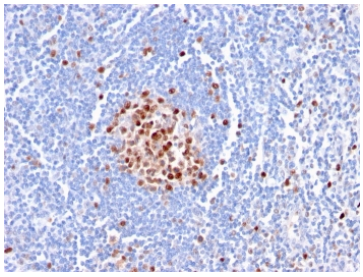
PCNA Antibody [clone PC5] (V7998)

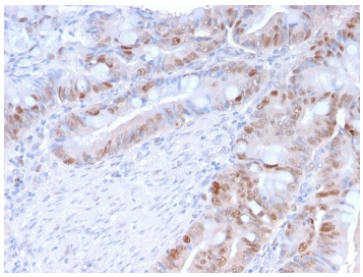
Catalog No.	Formulation	Size
V7998-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7998-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7998SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

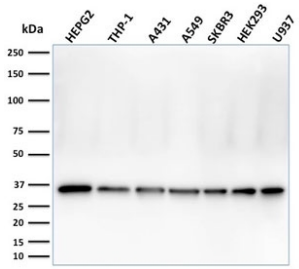
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PC5
Purity	Protein G affinity chromatography
UniProt	P12004
Localization	Predominantly nuclear, some cytoplasmic
Applications	Western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



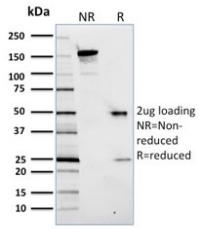
IHC staining of FFPE human tonsil with PCNA antibody (clone PC5). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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 at the immunogen for this PCNA antibody.

Storage

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