

## PCNA Antibody

Catalog No: #31002

Package Size: #31002-1 50ul #31002-2 100ul

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## Description

Product Name	PCNA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PCNA protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 9-252 amino acids of Human Proliferating cell nuclear antigen
Target Name	PCNA
Other Names	Proliferating cell nuclear antigen
Accession No.	Swiss-Prot:P12004Gene ID:5111;
Uniprot	P12004
GeneID	5111;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.

## Application Details

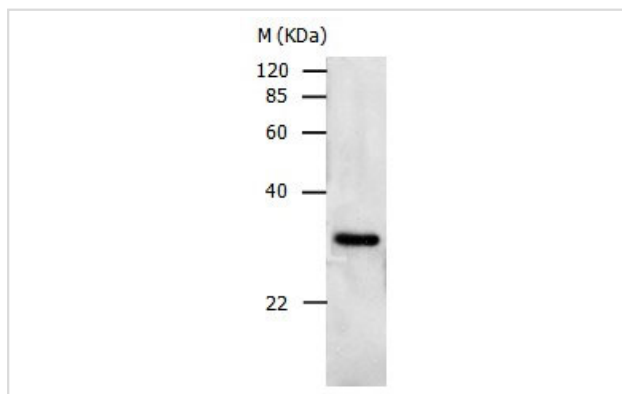
Predicted MW: 29kd

ELISA: 1:500-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



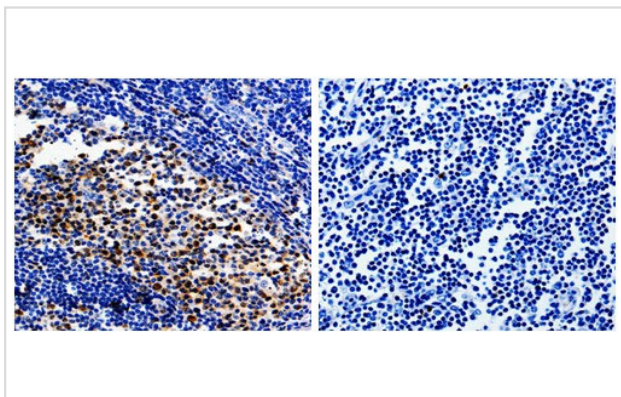
Gel: 10%SDS-PAGE

Lysate: 40 µg HeLa cell lysate

Primary antibody: 1/500 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&amp;L (HRP) at 1/3000 dilution

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 31002 (PCNA Antibody) at dilution 1/25, on the right is treated with the fusion protein.

## Background

The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome

Note: This product is for in vitro research use only