

## Anti-PCNA Antibody (6A447)

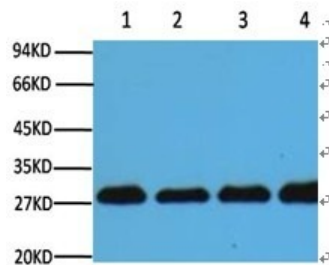
## Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 29 kDa.
Clone:	6A447
Purification:	Affinity-chromatography

## Applications

## Verified Activity:

1. Western blot analysis of HeLa (1), Rat brain (2), NIH 3T3 (3), 293T(4) with PCNA mouse mAb diluted at 1:5000.



Application:	IHC,WB
Recommended	WB: 1:3000-10000; IHC: 1:200

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized peptide
Antigen Species:	mouse
Uniprot ID:	P12004
Synonyms:	proliferating cell nuclear antigen;ATLD2

## Research Background

PCNA is a marker for cells in early G1 phase and S phase of the cell cycle. It is found in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for PCNA. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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