

## PCNA Mouse Monoclonal Antibody(7D1)

Catalog TDY811C TDY811F

Quantity 50μL 100μL

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Entrez-Gene ID:5111, Swiss-Prot Acc.P12004

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	H, M, R	29KD	IgG1

**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.  
Store at **-20°C. Do not aliquot the antibody.**

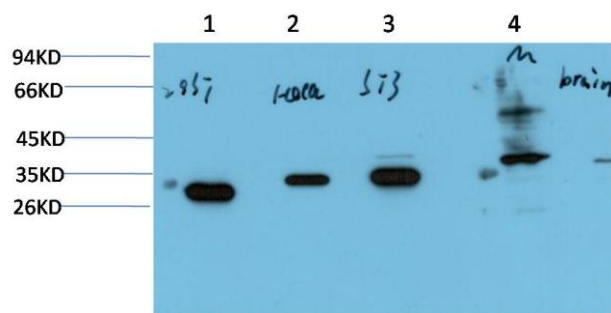
**Recommended dilutions:** WB 1:500-2,000 IHC: 1:100~200

**Optimal dilutions should be determined by the end user.**

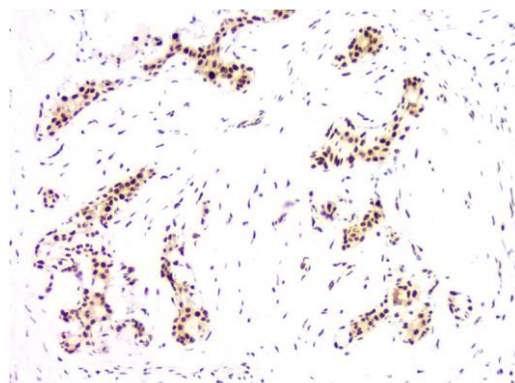
**Specificity:** The antibody detects endogenous PCNA proteins.

**Alternative Names:** Proliferating cell nuclear antigen

**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.



Western blot analysis of 1) 293T Cell Lysate, 2) HeLa Cell Lysate, 3) 3T3 Cell Lysate, 4) Mouse Brain Tissue Lysate using PCNA (TDY811) Mouse mAb diluted at 1:5000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using PCNA (TDY811) Mouse mAb diluted at 1:200.

Applications: WB-Western blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chromatin  
Immunoprecipitation  
Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig