

# PCNA Cell Nuclear Antigen (PCNA) (PT0121R) Rabbit mAb (Ready to Use)

CatalogNo: YM7204R **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- IHC

### Isotype

- IgG1, Kappa

## Storage

**Storage\*** 2°C to 8°C/1 year, Ship by ice bag

**Formulation** The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300

## Recommended Dilution Ratios

Ready to use for IHC

## Basic Information

**Clonality** Monoclonal

**Clone Number** PT0121R

## Immunogen Information

**Immunogen** Synthesized peptide derived from human Proliferating Cell Nuclear Antigen AA range:1-100

**Specificity** This antibody detects endogenous levels of PCNA

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## | Target Information

**Gene name** PCNA

**Protein Name** Proliferating cell nuclear antigen

Organism	Gene ID	UniProt ID
Human	<a href="#">5111</a> ;	<a href="#">P12004</a> ;
Mouse	<a href="#">18538</a> ;	<a href="#">P17918</a> ;
Rat	<a href="#">25737</a> ;	<a href="#">P04961</a> ;

**Cellular Localization** Nuclear

**Tissue specificity** Tonsil/ Colon

**Function** Disease:Antibodies are present in sera from patients with systemic lupus erythematosus.,Function:This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand.,online information:PCNA entry,PTM:Upon methyl methanesulfonate-induced DNA damage, mono-ubiquitinated by the UBE2B-RAD18 complex on Lys-164. This induces non-canonical poly-ubiquitination on Lys-164 through 'Lys-63' linkage of ubiquitin moieties by the E2 complex UBE2N-UBE2V2 and the E3 ligases RNF8 and SHPRH, which are required for DNA repair.,similarity:Belongs to the PCNA family.,subunit:Homotrimer. Interacts with KCTD10. Interacts with PPP1R15A (By similarity). Forms a complex with activator 1 heteropentamer in the presence of ATP. Interacts with POLH, POLK, DNMT1, ERCC5/XPG, FEN1, CDC6, APEX2 and POLDIP2. Interacts with EXO1 and SHPRH. Forms a ternary complex with DNTTIP2 and core histone. Interacts with POLD1, POLD3 and POLD4. Interacts with BAZ1B/WSTF; the interaction is direct.,

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## | Validation Data

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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