

Anti- PCNA (*S.cerevisiae*) antibody, rabbit polyclonal, ChIP grade

| | |
|--|--|
| Product code | 62-160 |
| Size | 100µg |
| Storage | -20°C |
| Concentration | 0.5 - 2.0mg/ml |
| Buffer | PBS ⁻ with 50% glycerol |
| Purity | Purified IgG fraction with protein A from hybridoma cell culture medium. |
| Immunogen | Recombinant full-size PCNA (<i>S. cerevisiae</i> , 1-258 aa) |
| Isotype | Rabbit IgG |
| Reactivity | <i>Saccharomyces cerevisiae</i> |
| Special notes | N/A |
| Application | <ol style="list-style-type: none"> 1. Western blotting (1/500-1/1,000dilution) 2. Immuno-precipitation (1/100) 3. Chromatin Immuno-Precipitation (Assay dependent) |
| Background | 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. Involved in DNA repair and recombination. It consists of 258 amino acids with MW of 28,916. |
| Data Link | UniProtKB P15873 (PCNA_YEAST) |
| Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE. | |

Data Images: 62-160 Anti- PCNA (*S.cerevisiae*) antibody, rabbit polyclonal, ChIP grade

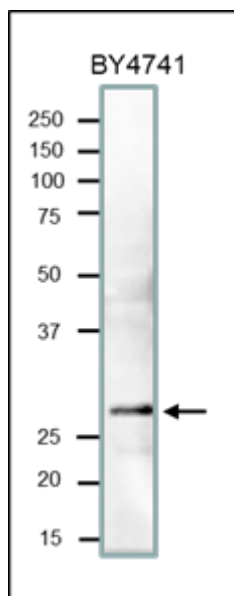


Fig.1 Western Blot of PCNA in crude extract of *S. cerevisiae*

The antibody was used at 1/1,000 dilution. Molecular mass of PCNA is 29 kDa. Crude extract of *S. cerevisiae* strain BY4741 (20 µg) applied.

Reference: This antibody has been used in the following publications.

1. Iida T. et al. PCNA clamp facilitates action of DNA cytosine methyltransferase 1 on hemimethylated DNA. [Genes Cells](#). 2002 Oct;7(10):997-1007. **IP**
2. Hishida T. et al. Functional and physical interaction of yeast Mgs1 with PCNA: impact on RAD6-dependent DNA damage tolerance. [Mol Cell Biol](#). 2006 Jul; 26(14):5509-17. **WB**
3. Ogiwara H. et al. The INO80 chromatin remodeling complex functions in sister chromatid cohesion. [Cell Cycle](#). 2007 May 2;6(9):1090-5. **ChIP**
4. Ogiwara H. et al. Role of Elg1 protein in double strand break repair. [Nucleic Acids Res](#). 2007;35(2):353-62. **ChIP**

Related product:

#10-151 PCNA protein (human), functional

#70-080 Anti-PCNA (human) antibody, rabbit polyclonal