# PCNA Monoclonal Antibody

<table>
<thead>
<tr>
<th><strong>Catalog No.</strong></th>
<th>A9909</th>
<th><strong>Category</strong></th>
<th>Monoclonal Antibodies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applications</strong></td>
<td>WB</td>
<td><strong>Observed MW</strong></td>
<td>28kDa</td>
</tr>
<tr>
<td><strong>Cross-reactivity</strong></td>
<td>Human, Mouse, Rat</td>
<td><strong>Calculated MW</strong></td>
<td>28kDa</td>
</tr>
</tbody>
</table>

## Immunogen Information
- **Immunogen**: Recombinant protein of human PCNA
- **Gene ID**: 5111
- **Swiss prot**: P12004
- **Synonyms**: PCNA; ATLD2; proliferating cell nuclear antigen

## Product Information
- **Source**: Mouse
- **Isotype**: IgG
- **Purification method**: Affinity purification
- **Storage**: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## 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.

## Recommended Dilutions
- **WB**: 1:500 - 1:2000