

# PCNA Monoclonal Antibody

Catalog Number:E-AB-48013



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

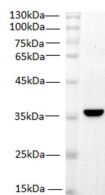
## Description

<b>Reactivity</b>	Zebrafish
<b>Immunogen</b>	Recombinant human PCNA protein expressed by E.coli
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	8B12
<b>Purification</b>	Protein A/G Purified
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol,pH 7.4

## Applications Recommended Dilution

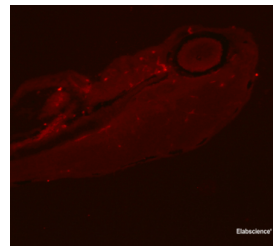
**WB** 1:1000-2000

## Data

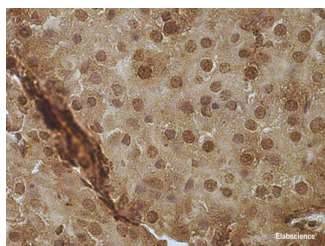


Western blot of Zebrafish whole lysates with anti-PCNA monoclonal antibody at dilution of 1:1000.

**Observed Mw:36kDa**  
**Calculated Mw:30kDa**



Immunofluorescence of Zebrafish frozen section with anti-PCNA monoclonal antibody at dilution of 1:100.



Immunohistochemistry of Zebrafish paraffin embedded section with anti-PCNA mcab at dilution of 1:100.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Proliferating cell nuclear antigen (PCNA) is a DNA clamp that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells and is essential for replication. PCNA is a homotrimer and achieves its processivity by encircling the DNA, where it acts as a scaffold to recruit proteins involved in DNA replication, DNA repair, chromatin remodeling and

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epigenetics. PCNA gene is often stably and constitutively expressed in most tissues and cells, it is commonly used as a loading control for western blot and other test.

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