

## Anti-PCNA Mouse Mab Antibody(1D7)

Cat #: D-AKE1040

Size: 50  $\mu$ L / 200  $\mu$ L

Storage: Store at  $-20^{\circ}\text{C}$ . Avoid repeated freeze / thaw cycles.

### Background

Proliferating Cell Nuclear Antigen, commonly known as PCNA, is a protein that acts as a processivity factor for DNA polymerase in eukaryotic cells. It achieves this processivity by encircling the DNA, thus creating a topological link to the genome. PCNA was originally identified as an antigen that is expressed in the nuclei of cells during the DNA synthesis phase of the cell cycle.

### Product Information

**Applications:** WB, IHC, IF

Suggested starting dilutions are as follows: WB (1:5000), IHC-P (1:200), IF (1:200).

**Isotype:** Mouse IgG1

**Reactivity:** Human, Mouse, Rat

**Formulation:** Liquid

**Concentration:** 1 mg/mL

**Storage:** Store at  $-20^{\circ}\text{C}$ . Avoid repeated freeze / thaw cycles.

**Storage Buffer:** Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at  $-20^{\circ}\text{C}$  from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

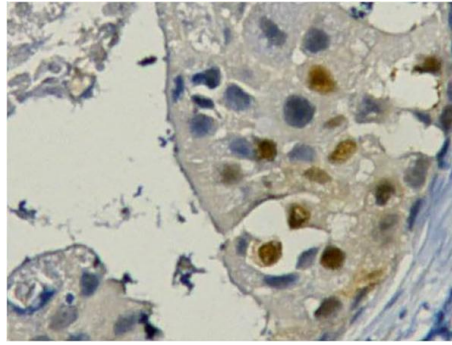


Fig.1. Immunohistochemistry staining (1:100) of Human breast cancer tissue paraffin-embedded with Anti-PCNA Mouse Monoclonal Antibody (1D7).

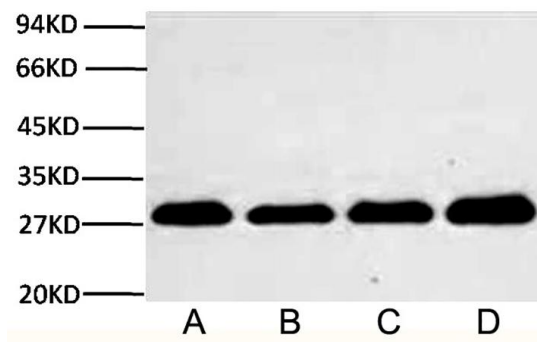


Fig.2. Western blot analysis (1:2000) of PCNA expression in Rat brain (lane A), A549 cell (lane B), NIH 3T3 cell (lane C) and 293T cell (lane D) with Anti-PCNA Mouse Monoclonal Antibody (1D7).

**Note:**

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.