

### 30-2723: Anti-PCNA Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PC10
<b>Application :</b>	FACS, IP, WB, IHC, IHC-Fr, ICC
<b>Reactivity :</b>	Mouse, Human, Non-human primates, Drosophila, Chicken, Rat
<b>Gene :</b>	PCNA
<b>Gene ID :</b>	5111
<b>Uniprot ID :</b>	P12004
<b>Format :</b>	Purified
<b>Alternative Name :</b>	proliferating cell nuclear antigen ATLD2
<b>Immunogen Information :</b>	recombinant rat PCNA

#### Description

PCNA (proliferating cell nuclear antigen) is the DNA polymerase delta auxiliary protein acting in homotrimeric form to increase the processivity of leading strand synthesis during DNA replication. PCNA is expressed in the nucleus of all proliferating cells. In response to DNA damage, it is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. PCNA is a useful marker of DNA synthesis, as its form not involved in DNA synthesis degrades in histological preparations in the presence of organic solvents.

Specificity :The mouse monoclonal antibody PC10 (also known as 3F81) recognizes PCNA, a 36 kDa conserved nuclear protein serving as a cofactor for DNA synthesis.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-4  $\mu$ g/ml. Intracellular staining.