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# Monoclonal Mouse Antibody to Human Proliferating Cell Nuclear Antigen (PCNA)

## Description:

Immunogen:	Rat PCNA made in the protein A expression vector pR1T2T.
Clone:	PC10.
Isotype:	IgG2a, Kappa.
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	PCNA is essential for cellular DNA synthesis. This antibody reacts with proliferating cells in a wide range of normal tissues. The significance of PCNA immunoreactivity in tumors is not fully established yet. However, in non-Hodgkin's lymphoma a linear relation between Ki-67 and PCNA staining has been demonstrated.

**Uses/Limitations:** Immunohistochemistry  
For Research Use Only.  
Do not use past expiration date.

**Storage:** 2-8° Centigrade.

**Procedure:** We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Although not required, microwave treatment, prior to immunostaining, considerably increases the signal.

**Precautions:** Contains Sodium Azide as a preservative.  
Do not pipette by mouth.

**References:**

- i) Waseem et al. J Cell Sci 96: 121, 1990.
- ii) Takasaki et al. J Exp Med 159: 981, 1984.
- iii) Hall et al. J Pathol 162: 285, 1990.