

36-2903: Anti-PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Monoclonal Antibody(Clone: PC5)

Clonality :	Monoclonal
Clone Name :	PC5
Application :	WB,IHC
Reactivity :	Human, Mouse, Rat, Yeast
Gene :	PCNA
Gene ID :	5111
Uniprot ID :	P12004
Alternative Name :	Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Rat PCNA/protein A fusion protein

Description

Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. This MAb is excellent for multiple applications.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),

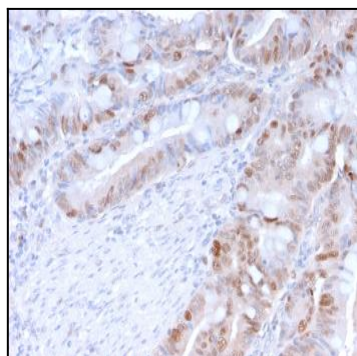


Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with PCNA Mouse Monoclonal Antibody (PC5).

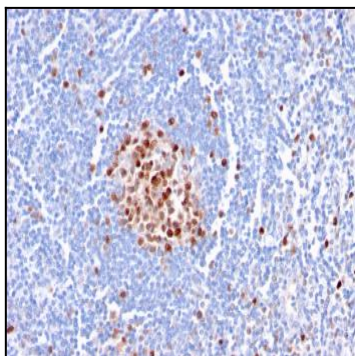


Fig. 2: Formalin-fixed, paraffin-embedded human Tonsil stained with PCNA Mouse Monoclonal Antibody (PC5).

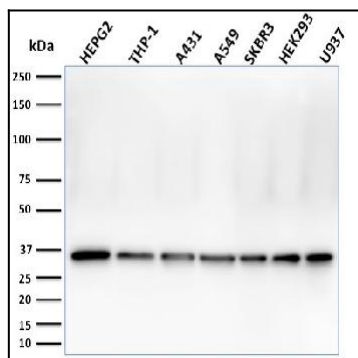


Fig. 3: Western Blot Analysis of HePG2, THP-1, A431, A549, SKBr3, HEK293, and U937 cell lines using PCNA Mouse Monoclonal Antibody (PC5).