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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).

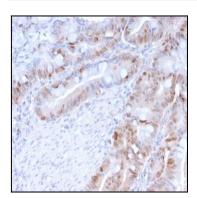


Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with PCNA Mouse Monoclonal Antibody (PC5).



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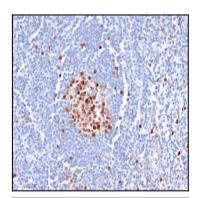


Fig. 2: Formalin-fixed, paraffin-embedded human Tonsil stained with PCNA Mouse Monoclonal Antibody (PC5).

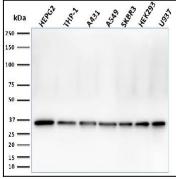


Fig. 3: Western Blot Analysis of HePG2, THP-1, A431, A549, SKBr3, HEK293, and U937 cell lines using PCNA Mouse Monoclonal Antibody (PC5).