

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 39-1086: Anti-PCNA Monoclonal Antibody (Clone: PC 10)

Clonality: Monoclonal Clone Name: PC 10

WB,IHC-P,IHC-F,ICC Application:

Reactivity: Human Gene: Pcna Gene ID: 25737 **Uniprot ID:** P04961

**Alternative Name:** ProlifeRating cell nuclear antigen; PCNA; Cyclin; Pcna

Isotype: Mouse IgG2a

Immunogen Information: Protein A fusion protein.

## **Description**

Proliferating cell nuclear antigen(PCNA) was originally identified by immunofluorescence as a nuclear protein whose appearance correlated with the proliferative state of the cell. PCNA/cyclin has been localized by in situ hybridization to the short arm of human chromosome 20 with a peak of grains over band 20p13. PCNA gene is present in single copy and has 6 exons. It spans 4,961 bp. Synthesis of the nuclear protein cyclin and DNA in quiescent mouse fibroblasts is coordinately induced by serum and purified growth factors. PCNA controls establishment of sister chromatid cohesion during S phase.

## **Product Info**

Amount: 100 μg/vial **Purification: Ascites** 

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Content:

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and **Storage condition:** 

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

2̸¼g/ml; Immunohistochemistry(Paraffin-embedded 0.4-1̸¼g/ml; Western blot Section) Immunohistochemistry(Frozen Section) :  $0.4-1\tilde{A} \cap \tilde{A} \cdot \tilde{A}$ 

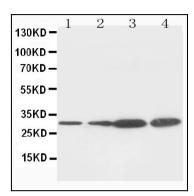


Figure 1: Anti-PCNA antibody(monoclonal) 39-1086. Western blotting: Lane 1: MCF-7 Cell Lysate, Lane 2: HELA Cell Lysate, Lane 3: HT1080 Cell Lysate, Lane 4: COLO320 Cell Lysate.



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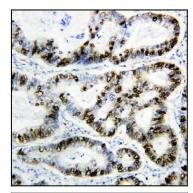


Figure 2: Anti-PCNA antibody (monoclonal) 39-1086. IHC(P): Human Rectal Cancer Tissue.

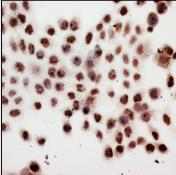


Figure 3: Anti-PCNA antibody(monoclonal)39-1086. ICC: HELA Cell.