PRODUCT DATA SHEET

Product: Anti-Proliferating Cell Nuclear Antigen (PCNA), clone PC10

Cat. No.: **MC-700 (100 µg)**

Specificity:
Reacts with the 36 kDa Proliferating Cell Nuclear Antigen (PCNA), also known as cyclin or polymerase delta auxiliary protein.

Elevated expression of PCNA/cyclin occurs in the nucleus during late G1 phase immediately before the onset of DNA synthesis. Expression becomes maximal during S-phase and declines during the G2 and M phases. PCNA reactivity is widely used as a prognostic marker for carcinogenic progression.

Species Reactivity:
Human, mouse, rat, insect and yeast. Others not tested.

Ig Isotype:
IgG_{2a}/κ

Immunogen:
Rat PCNA/Protein A fusion protein

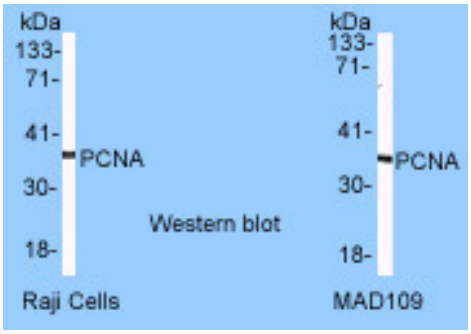
Hybridoma:
Mouse myeloma (Sp2/0-Ag4-1) x immunized mouse (Balb/c) spleen cells

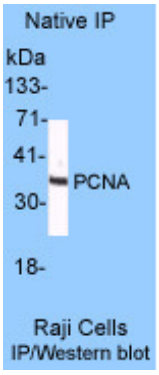
Format:
500 µL of 200 µg/mL antibody in 10 mM PBS, pH7.4, with 0.2% BSA and 15 mM sodium azide. Purified from ascites fluid by Protein A chromatography.

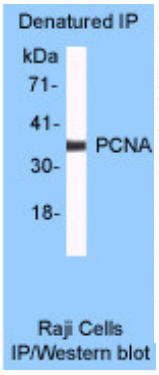
Storage:
Store at 4°C.

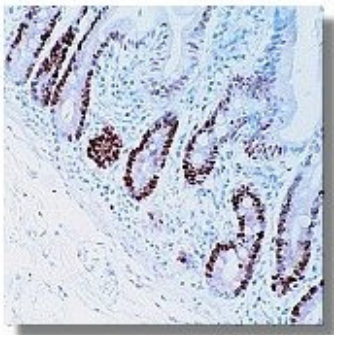
Applications and Suggested Dilutions:
- Flow cytometry
- Immunohistology: For tissues fixed in methacarn, Bouin, or formalin and embedded in paraffin. Staining of formalin-fixed, paraffin-embedded tissues is enhanced by boiling the tissue sections in 10 mM citrate buffer, pH 6.0, for 10 min followed by cooling at RT for 20 min.
- Immunoprecipitation: Use 10 µL/mg protein lysate.
- Western blot: Use at a 1:400-1:800 dilution.

The optimal dilution for a specific application should be determined by the researcher.









Formalin-fixed, paraffin embedded human small intestine stained with MC-700.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.

KAMIYA BIOMEDICAL COMPANY, Seattle, WA USA
www.k-assay.com
Tel: (206) 575-8068 • Fax: (206) 575-8094
LifeScience@k-assay.com