

PCNA (Proliferating Cell Nuclear Antigen)

Rabbit Polyclonal Antibody

Cat. #RB-9055-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)

Cat. #RB-9055-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)

Please note this data sheet has been changed effective February 25, 2016

Description: Expression of proliferating cell nuclear antigen (PCNA) or cyclin or polymerase delta auxiliary protein is elevated 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. PCNA/cyclin may act as an auxiliary protein of DNA polymerase-delta to play a fundamental role in the initiation of cell proliferation.

Comments: This antibody is excellent for staining of formalin-fixed, paraffin-embedded tissues with no special pretreatment.

Mol. Wt. of Antigen: 36kDa

Epitope: not known

Species Reactivity: Human. Others not tested.

Immunogen: Recombinant human PCNA protein

Applications and Suggested Dilutions:

- Western Blotting (Ab 2-4 µg/ml for 2 hrs at RT)
- Immunohistology (Formalin/paraffin)

With no pretreatment:

Use Ab 1:100 for 10 min with LV's UltraVision Detection System

With pretreatment:

Use Ab 1:800 for 30 min with LV's UltraVision Detection System

* [No pretreatment is necessary, however staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.]

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

Positive Control: Raji cells, Tonsil, Lymph node, and small intestine

Cellular Localization: Nuclear

Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Supplied As:

Antibody fraction purified from rabbit anti-serum. Prepared in 10mM PBS, pH 7.6, with 0.2% BSA and 15mM sodium azide.

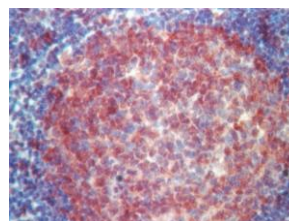
or
Prediluted antibody which is ready-to-use for immunohistochemistry.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.



Human tonsil stained with anti-PCNA, Cat# RB-9055-P

For Research Use Only



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