

## Anti-PCNA Antibody Picoband™ (monoclonal, 2G2)

Clone no. 2G2

MONOSAN

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Product name	Anti-PCNA Antibody Picoband™ (monoclonal, 2G2)
Host	Mouse
Applications	WB,IHC,ICC,IF,FC
Species reactivity	Human,Mouse,Rat
Conjugate	-
Immunogen	E.coli-derived human PCNA recombinant protein (Position: M1-S261).
Isotype	IgG2b
Clonality	Monoclonal
Clone number	2G2
Size	100µg
Concentration	Adding 0.2 ml of distilled water =f 500 µg/ml.
Format	Lyophilized
Storage buffer	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. Background: Proliferating cell nuclear antigen (PCNA) is a DNA clamp that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells and is essential for replication. It is mapped to 20p12.3. The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. Subcellular Localization: Tissue Specificity:

**References**

1. -
2. -
3. -
4. -
5. -

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