

anti- PCNA antibody

Product Information

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|---------------|---|
| Catalog No.: | FNab06217 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Protein A+G purification |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Mouse |
| Clonality: | monoclonal |
| Clone ID: | 8F9 |
| IsoType: | IgG1 |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

Auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-aprimidinic(AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2. Plays a key role in DNA damage response(DDR) by being conveniently positioned at the replication fork to coordinate DNA replication with DNA repair and DNA damage tolerance pathways(PubMed:24939902). Acts as a loading platform to recruit DDR proteins that allow completion of DNA replication after DNA damage and promote postreplication repair: Monoubiquitinated PCNA leads to recruitment of translesion(TLS) polymerases, while 'Lys-63'-linked polyubiquitination of PCNA is involved in error-free pathway and employs recombination mechanisms to synthesize across the lesion.

Immunogen information

| | |
|--------------|--|
| Immunogen: | proliferating cell nuclear antigen |
| Synonyms: | Proliferating cell nuclear antigen, Cyclin |
| Observed MW: | 38 kDa |
| UniprotID : | P12004 |

Wuhan Fine Biotech Co., Ltd.

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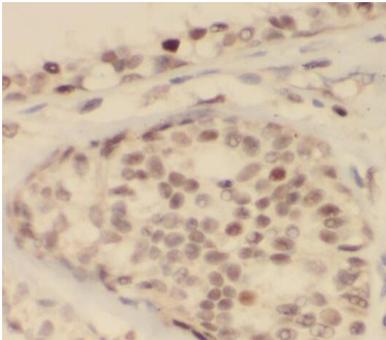
Application

Reactivity: Human, Mouse, Rat, rabbit

Tested Application: ELISA, WB, IHC, FC, IP

Recommended dilution: WB: 1:5000-1:50000; IP: 1:200-1:1000; IHC: 1:500-1:2000; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab06217(PCNA antibody) at dilution of 1:800



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using FNab06217 (PCNA antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L)

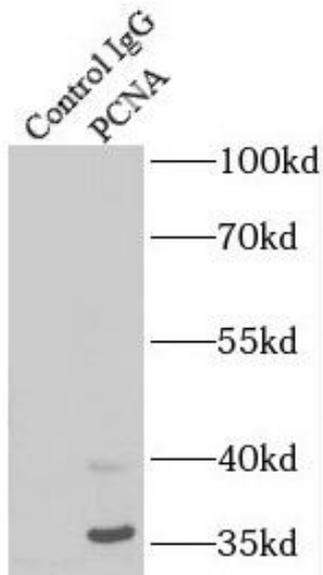
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IP Result of anti-PCNA (IP:FNab06217, 4ug;
Detection:FNab06217 1:300) with HepG2 cells
lysate 3000ug.



HEK-293 cells were subjected to SDS PAGE
followed by western blot with FNab06217(PCNA
Antibody) at dilution of 1:10000

