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PCNA Monoclonal Antibody

catalog number: AN005350L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant human PCNA protein expressed by E.coli

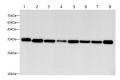
Host Mouse Isotype lgG2a Clone 9C6

Purification Protein A/G Purification

Buffer PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution 1:2000-1:4000 **WB** IΡ 4µg/sample 1:200-1:400 IHC

Data



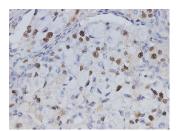


Western blot with Anti PCNA Monoclonal Antibody at dilution Immunoprecipitation analysis of 40ug extracts of THP-1 cell of 1:3000. Lane 1: HT-29 cell lysate, Lane 2: Jurkat cell lysate, Lane 3: THP-1 cell lysate, Lane 4: Mouse spleen tissue lysate, Lane 5: Raw264.7 cell lysate, Lane 6: C6 cell lysate, Lane 7: HeLa cell lysate, Lane 8: NIH/3T3 cell lysate.

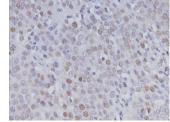
> Observed-MW:33 kDa Calculated-MW:29 kDa

using 4µg PCNA Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PCNA Monoclonal Antibody at a dilution of 1:1000. Lane 1: input, Lane 2: Mouse IgG Isotype Control, Lane 3: anti-PCNA

Monoclonal antibody. Observed-MW:33 kDa Calculated-MW:29 kDa



Immunohistochemistry of paraffin-embedded Human lung cancer using PCNA Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human ovary cancer using PCNA Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping The product is shipped with ice pack, upon receipt, store it immediately at the

temperature recommended.

For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com

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Background

Auxiliary protein of DNA polymerase delta and epsilon, 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-apyrimidinic (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. 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.

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