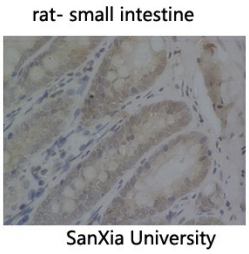
PCNA (9C9) Mouse mAb

db6498 **Package : 50μL 100μL**

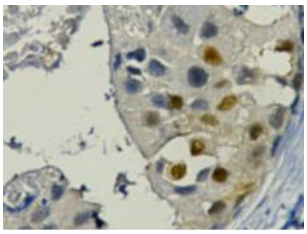
Product Name : PCNA (9C9) Mouse mAb
Cat.No.: db6498
Synonyms : Proliferating Cell Nuclear Antigen; DNA polymerase delta auxiliary protein; PCNAR
Application : WB, IHC-P
Reactivity : Human, Mouse, Rat
Host species : Mouse

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-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 (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	Synthetic Peptide of PCNA
Gene ID	5111
Swiss Prot	P12004
Synonyms	Proliferating Cell Nuclear Antigen; DNA polymerase delta auxiliary protein; PCNAR
Reactivity	Human, Mouse, Rat
Application	WB, IHC-P
Recommended dilution	WB: 1:5000-1:10000 IHC: 1/50-1:200
Calculated MW	29 kDa
Observed MW	36 kDa
Host species	Mouse
Clonality	Monoclonal

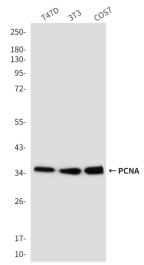
Clonality No.	9C9-5B5-2A3
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



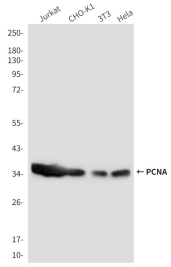
Immunohistochemistry analysis of paraffin-embedded rat small intestine using PCNA (9C9) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



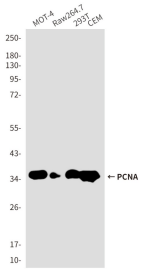
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using PCNA (9C9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PCNA in T47D, 3T3 and COS7 lysates using PCNA antibody.



Western blot analysis of PCNA in Jurkat, CHO-K1, 3T3, Hela lysates using PCNA (9C9) antibody.



Western blot analysis of PCNA (9C9) in MOT4, Raw264.7, 293T, CEM lysates using PCNA (9C9) antibody.