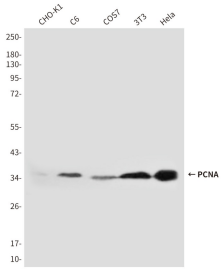
PCNA (2E1) Mouse mAb

db6199 **Package : 50μL 100μL**

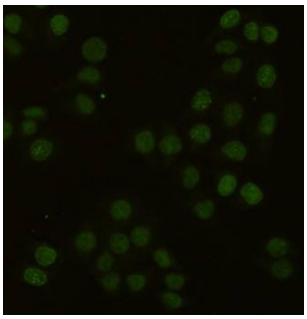
Product Name : PCNA (2E1) Mouse mAb
Cat.No.: db6199
Synonyms : Cyclin;DNA polymerase delta auxiliary protein;HGCN8729;MGC8367;Mutagen-sensitive 209 protein;OTTHUMP00000030189;OTTHUMP00000030190;PCNA;Pcna/cyclin;PCNA_HUMAN;PCNAR ;Polymerase delta accessory protein;Proliferating Cell Nuclear Antigen
Application : WB, IP, ICC/IF, IHC-Fr, IHC-P
Reactivity : Human, Mouse, Rat, Monkey, Hamster
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.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	Purified recombinant human PCNA protein fragments expressed in E.coli
Gene ID	5111
Swiss Prot	P12004
Synonyms	Cyclin;DNA polymerase delta auxiliary protein;HGCN8729;MGC8367;Mutagen-sensitive 209 protein;OTTHUMP00000030189;OTTHUMP00000030190;PCNA;Pcna/cyclin;PCNA_HUMAN;PC delta accessory protein;Proliferating Cell Nuclear Antigen
Reactivity	Human, Mouse, Rat, Monkey, Hamster
Application	WB, IP, ICC/IF, IHC-Fr, IHC-P
Recommended dilution	WB: 1:1000 IHC: 1:50-1:200 ICC/IF: 1:100-1:200 IP: 1:20

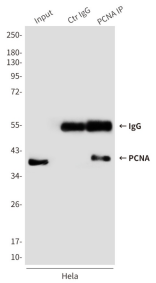
Calculated MW	29 kDa
Observed MW	36 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	2E1-G10-H10
Isotype	IgG2b
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



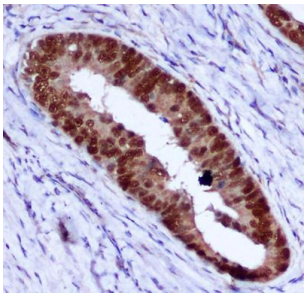
Western blot analysis of PCNA in Hela, 3T3, COS7, C6 and CHO-K1 lysates using PCNA antibody.



Immunocytochemistry analysis of PCNA in HeLa cells using PCNA antibody.



Immunoprecipitation analysis of PCNA (2E1) in Hela lysates using PCNA antibody.



Immunohistochemistry analysis of paraffin-embedded Human colorectal carcinoma using PCNA antibody (2E1G10H10).High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.