PCNA Polyclonal Antibody

catalog number: **E-AB-18205**

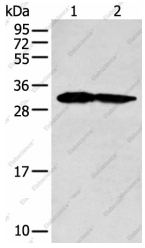
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Fusion protein of human PCNA
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:25-1:100

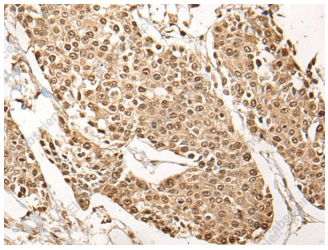
Data



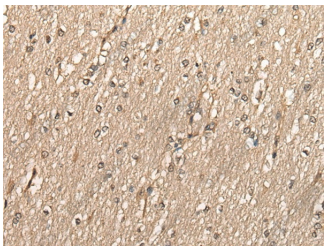
Western blot analysis of 293T and HEPG2 cell lysates using PCNA Polyclonal Antibody at dilution of 1:400

Observed-MW:Refer to figures

Calculated-MW:29 kDa



Immunohistochemistry of paraffin-embedded Human prost at e cancer tissue using PCNA Polyclonal Antibody at dilution of 1:35(×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using PCNA Polyclonal Antibody at dilution of 1:35(×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.

Background

Toll-free: 1-888-852-8623
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Proliferating Cell Nuclear Antigen,commonly known as PCNA,is a protein that acts as a processivity factor for DNA polymerase δ in eukaryotic cells. This protein is an 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. PCNA induces a robust stimulatory effect on the 3′-5′ exonuclease and 3′-phosphodiesterase,but not apurinic-apyrimidinic (AP) endonuclease,APEX2 activities. It has to be loaded onto DNA in order to be able to stimulate APEX2. PCNA protein is highly conserved during evolution; the deduced amino acid sequences of rat and human differ by only 4 of 261 amino acids. PCNA has been used as loading control for proliferating cells.

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