PCNA Recombinant antibody

Cat:B16011R

Company： HaoKebio

Uniprot ID:P12004

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation:29 kDa

Observed Molecular Weight:36 kDa

Applications: IHC:1:2000-1:8000

IHC-Polymer:1:8000-1:32000

IHC-TSA:1:10000-1:40000

IF:1:100-1:400

WB:1:5000-1:50000

Background:

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. The calculated molecular weight of PCNA is 29 kDa, but modified PCNA is 36kDa.

Protein full name:

proliferating cell nuclear antigen

Synonyms:

240306B9, Cyclin, proliferating cell nuclear antigen

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

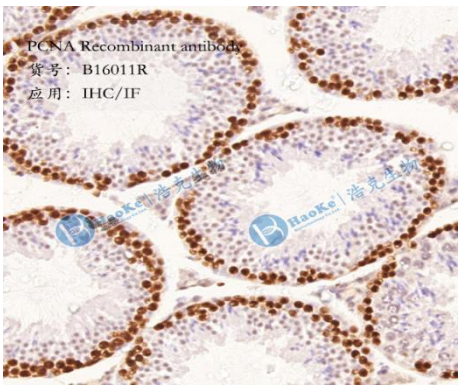
Storage:

Store at -20 ℃ for one year.

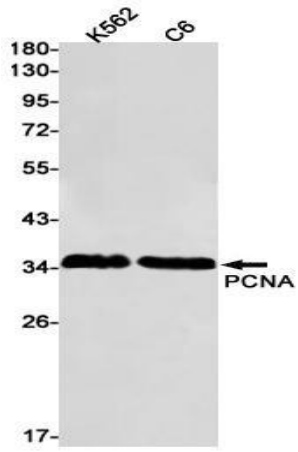
Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse testicle, 4% PFA 12-24h



Dilution of 1:10000 incubated at room temperature for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:PCNA(B16011R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:PCNA(B16011R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.