

Product overview

product name	Anti PCNA Polyclonal Antibody
catalog No.	ATPA00015Rb
Category	Primary antibody
Host	Rabbit
Species specificity	Human,Rat,Mouse
Tested applications	WB
Clonality	Polyclonal
Clone No.	/
Conjugation	Unconjugated
Immunogen	Recombinant protein of human PCNA(Met1~Ser261).
Alternative Names	Proliferating cell nuclear antigen,Cyclin.
Uniprot ID	P12004

Product performance

Form	Liquid
Buffer	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	0.5mg/ml
Isotype	IgG
MW	30kDa
Purity	Antigen affinity purification

Dilution range

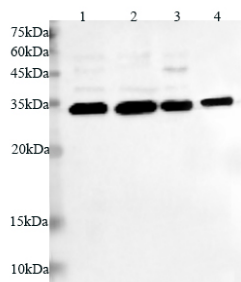
WB: 1:1000-1:4000

Product experiment picture



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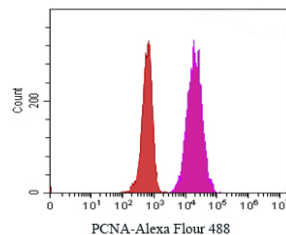
Anti PCNA Polyclonal Antibody



Lysate: 20 µg/ml
Lane 1: HeLa cell line
Lane 2: HEK293 cell line
Lane 3: A549
Lane 4: mouse liver

Predicted band size: 29kDa
Observed band size: 29kDa

Various lysates were subjected to SDS PAGE followed by western blot with PCNA antibody at dilution of 1:2000.



1×10^6 THP-1 cells were stained with 1:100 PCNA antibody (purple) and control antibody (red). Fixed with 4% PFA blocked with BSA (30min). Alexa Fluor 488-conjugated AffiniPure Goat anti-rabbit IgG(H+L) with dilution 1:100.

Product 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.