Product **Datasheet**

Anti-PCNA Rabbit pAb

WL02208

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-PCNA Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:500-1:1000 Immunohistochemistry 1:100
	**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*
Molecular Wt.	36 kDa
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

The proliferating cell nuclear antigen (PCNA), a protein synthesized in early G1 and S phases of the cell cycle, functions in cell cycle progression, DNA replication and DNA repair. In early S phase, PCNA exhibits granular distribution and is absent from the nucleoli; however, in late S phase, it relocates to the nucleoli. PCNA exists in two basic forms: one involved in ongoing DNA replication, which localizes specifically to the nucleus, and a second, soluble form, not implicated in constant synthesis. Interestingly, the latter form degrades in the presence of organic solvents, rendering it undetectable by histological methods in tissues using organic fixatives, and thus also providing a method of visualizing only the synthesizing form.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PCNA.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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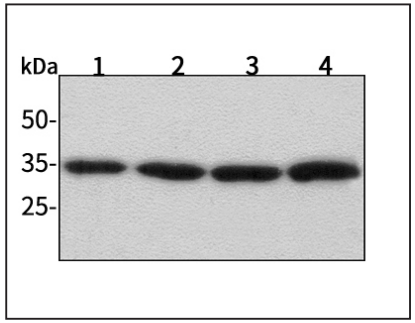
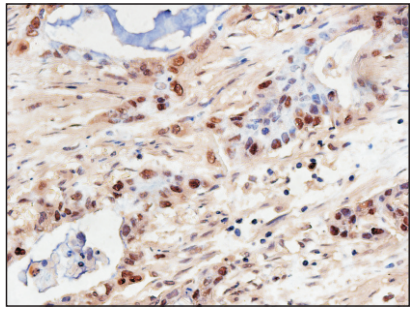
Product Images



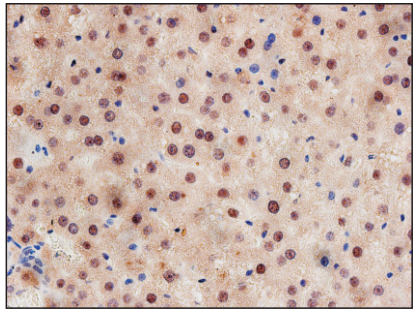
Western blot-Anti-PCNA pAb

Lane 1: Human HepG2 cell Nuclear Protein 30µg
Lane 2: Human Hela cell Nuclear Protein 30µg
Lane 3: Human BGC-823cell Nuclear Protein 30µg
Lane 4: Human MGC-803 cell Nuclear Protein 30µg
Separation gel: 11% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Secondary antibody（WLA023a）: 1:5000-1:10000, 45min
Detection: ECL, 30s-2min



Immunohistochemistry-Anti-PCNA pAb

Sample: Human pancreatic cancer tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:100, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB



Immunohistochemistry-Anti-PCNA pAb

Sample: Rat liver of diabetes tissue
Antigen retrieval: pH 6.0 citrate buffer
Primary antibody: 1:100, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB

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