

## Product datasheet for **AM20660PU-N**

### PCNA Mouse Monoclonal Antibody [Clone ID: IML-83]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IML-83
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 2 µg/ml. Immunohistochemistry on frozen and paraffin sections: 0.4 - 1 µg/ml. Immuocytochemistry.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Protein A fusion protein
Specificity:	This antibody reacts to PCNA.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proliferating cell nuclear antigen
Database Link:	<a href="#">Entrez Gene 18538 Mouse</a> <a href="#">Entrez Gene 25737 Rat</a> <a href="#">Entrez Gene 5111 Human P12004</a>



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**Background:**

Proliferating cell nuclear antigen (PCNA) was originally identified by immunofluorescence as a nuclear protein whose appearance correlated with the proliferative state of the cell. PCNA /cyclin has been localized by in situ hybridization to the short arm of human chromosome 20 with a peak of grains over band 20p13. PCNA gene is present in single copy and has 6 exons. It spans 4,961 bp. Synthesis of the nuclear protein cyclin and DNA in quiescent mouse fibroblasts is coordinately induced by serum and purified growth factors. PCNA controls establishment of sister chromatid cohesion during S phase.

**Synonyms:**

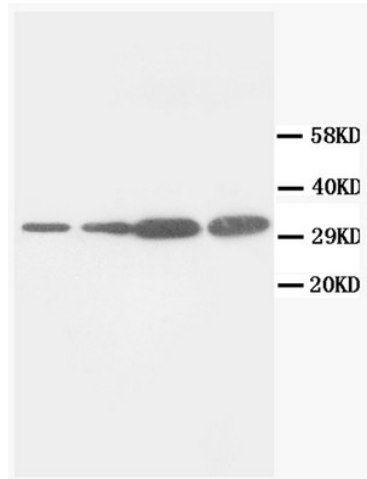
Cyclin

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:**

Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair

**Product images:**

Lane 1: MCF7 whole cell lysate  
Lane 2: HeLa whole cell lysate  
Lane 3: HT1080 whole cell lysate  
Lane 4: colo320 whole cell lysate