

## Product datasheet for **TA328131S**

### PCNA Mouse Monoclonal Antibody [Clone ID: 1157CT1.1.3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1157CT1.1.3
Applications:	WB
Recommended Dilution:	WB: 1:2000
Reactivity:	Human, Mouse, Rat (Predicted: Bovine, Hamster, Monkey)
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This PCNA antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 236-261 amino acids from the C-terminal region of human PCNA.
Formulation:	PBS with 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	proliferating cell nuclear antigen
Database Link:	<a href="#">NP_872590</a> <a href="#">Entrez Gene 18538 Mouse</a> <a href="#">Entrez Gene 25737 Rat</a> <a href="#">Entrez Gene 718006 Monkey</a> <a href="#">Entrez Gene 5111 Human</a> <a href="#">P12004</a>
Background:	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. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2.
Synonyms:	ATLD2

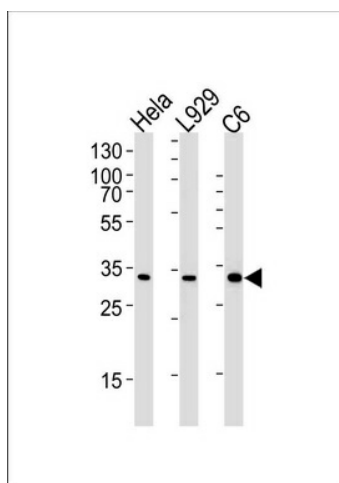


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**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair

**Product images:**



PCNA Antibody (C-term) (Cat. #[TA328131])  
western blot analysis in HeLa, mouse L929 and rat  
C6 cell line lysates (35ug/lane). This demonstrates  
the PCNA antibody detected the PCNA protein  
(arrow).