

Product datasheet for **TA332379**

PCNA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human PCNA
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	261
Gene Name:	proliferating cell nuclear antigen
Database Link:	NP_002583 Entrez Gene 18538 MouseEntrez Gene 25737 RatEntrez Gene 5111 Human P12004
Background:	Proliferating cell nuclear antigen (PCNA) is a member of the DNA sliding clamp family of proteins that assist in DNA replication (1). Crystal structure data suggests that a PCNA homotrimer ring can encircle and slide along the DNA double helix (2). Multiple proteins involved in DNA replication, DNA repair, and cell cycle control bind to PCNA rather than directly associating with DNA, thus facilitating fast processing of DNA (reviewed in 3). PCNA protein expression is a well-accepted marker of proliferation and PCNA (PC10) Mouse mAb has been used to assess PCNA levels in hundreds of scientific studies.
Synonyms:	ATLD2

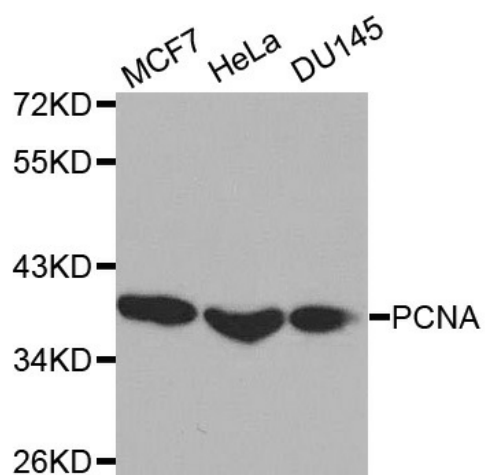


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Protein Families: Druggable Genome, Stem cell - Pluripotency

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

Product images:



Western blot analysis of extracts of various cell lines, using PCNA antibody.