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Product datasheet for TA319162

PCNA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:2,000 - 1:8,000, WB: 1:500 - 1:2,000
Reactivity:	Human, Monkey, Dog, Mouse, Bovine, Xenopus, Rat, Chicken, Fish
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human PCNA protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
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:	NP_002583 Entrez Gene 18538 MouseEntrez Gene 25737 RatEntrez Gene 477166 DogEntrez Gene 718006 MonkeyEntrez Gene 5111 Human P12004
Synonyms:	ATLD2
Note:	The proliferating cell nuclear antigen (PCNA) is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the processibility of DNA polymerase during elongation of the leading strand. PCNA is expressed in the nucleus of all proliferating cells and is pivotal for DNA synthesis and cell cycle progression. In response to DNA damage, PCNA is mono-ubiquitinated and is involved in mismatch-provoked excision. PCNA is a useful marker for DNA synthesis and is highly conserved among most species.
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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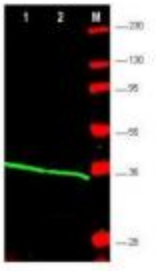
Protein Pathways: Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair

Product images:



WB using Anti-PCNA antibody shows detection of PCNA protein in HEK293 (lane 1) and Jurkat (lane 2) whole cell extracts. The primary antibody diluted to 1:1000. The membrane was washed and reacted with a 1:10,000 dilution of IRDye® 800 Conjugated Goat-anti-Rabbit IgG [H&L] MX10. Molecular weight estimation was made by comparison to prestained MW markers indicated at the right (lane M, 700 nm channel, red). Other detection systems will yield similar results.

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