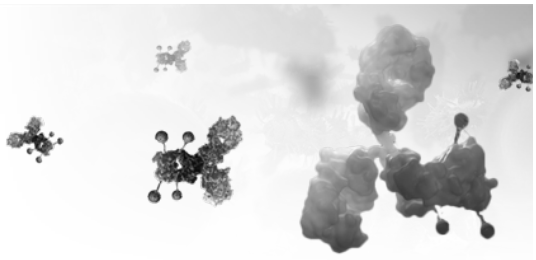

Anti-TIMP2 polyclonal antibody (DPAB1996RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti-human proliferating cell nuclear antigen polyclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretat
Antigen Description	Proliferating Cell Nuclear Antigen, commonly known as PCNA, is a protein that acts as a processivity factor for DNA polymerase δ in eukaryotic cells. It achieves this processivity by encircling the DNA, thus creating a topological link to the genome. It is an example of a DNA clamp.
Specificity	This antibody reacts with a 36 kD protein. Expression of proliferating cell nuclear antigen (PCNA), cyclin, and/or polymerase delta auxiliary protein is elevated in the nuclei during late G1 phase immediately before the onset of DNA synthesis. Expression
Immunogen	Recombinant human PCNA protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC
Cellular Localization	Nuclear
Positive Control	Tonsil
Format	Purified immunoglobulin fraction of rabbit antiserum against PCNA containing sodium azide as a preservative.
Preservative	See individual product datasheet

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Storage	Store at 2-8℃. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens]
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; MGC8367; OTTHUMP00000030189; Cyclin; OTTHUMP00000030190
Entrez Gene ID	5111
Protein Refseq	NP_002583
UniProt ID	P12004
Chromosome Location	20pter-p12
Pathway	BARD1 signaling events; BRCA1-associated genome surveillance complex (BASC); Base Excision Repair; Cell Cycle, Mitotic; Chromosome Maintenance; DNA Repair; DNA Replication; DNA strand elongation; Direct p53 effectors; E2F mediated regulation of DNA replication; Extension of Telomeres; G0 and Early G1; G1 to S cell cycle control; G1/S Transition; G1/S-Specific Transcription
Function	DNA binding; DNA polymerase processivity factor activity; MutLalpha complex binding; dinucleotide insertion or deletion binding; identical protein binding; protein binding; purine-specific mismatch base pair DNA N-glycosylase activity; receptor tyrosine kinase binding

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