

Product datasheet for **UM870168**

PCNA Mouse Monoclonal Antibody [Clone ID: UMAB278]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB278
Applications:	IHC
Recommended Dilution:	IHC 1:4000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PCNA (NP_002583) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28.6 kDa
Gene Name:	proliferating cell nuclear antigen
Database Link:	NP_002583 Entrez Gene 18538 Mouse Entrez Gene 25737 Rat Entrez Gene 5111 Human P12004
Background:	The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. [provided by RefSeq, Jul 2008]



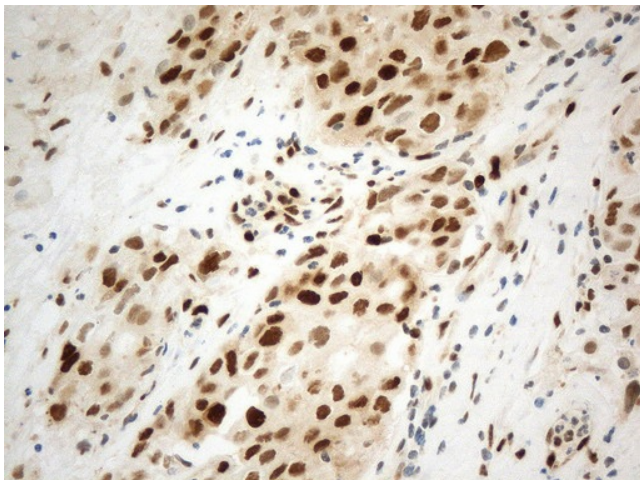
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Synonyms: ATLD2

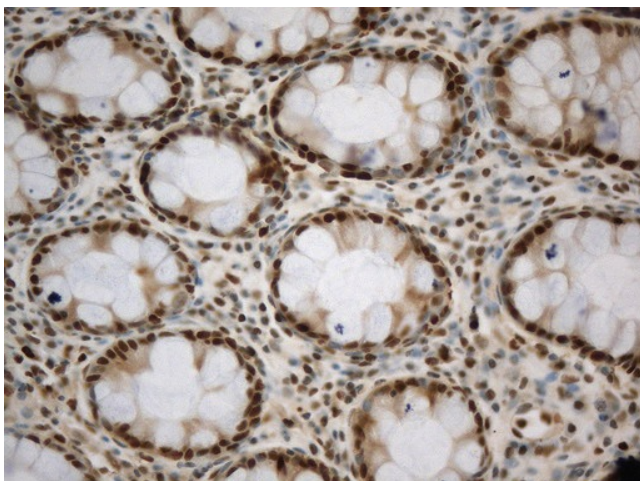
Protein Families: Druggable Genome, Stem cell - Pluripotency

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

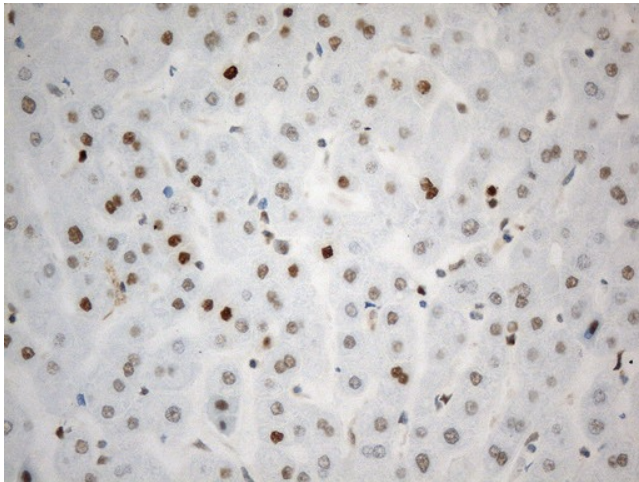
Product images:



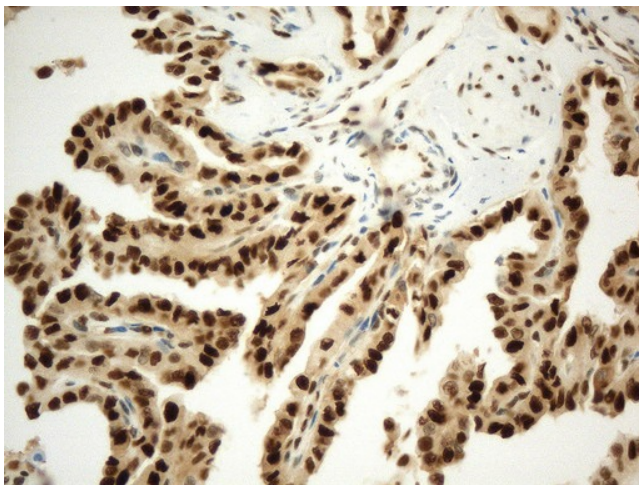
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-PCNA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800168]) (1:4000)



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-PCNA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800168]) (1:4000)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PCNA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800168]) (1:4000)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PCNA mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800168]) (1:4000)