

Datasheet for ABIN2854788

anti-PCNA antibody

16 Images

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Overview

Quantity:	100 µL
Target:	PCNA
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Fluorescence in situ hybridization (FISH)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PCNA. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	IP/MS validation was supported by references (PMID:30377373)
Cross-Reactivity:	Golden Syrian Hamster, Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to PCNA (proliferating cell nuclear antigen) PCNA antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PCNA
Alternative Name:	proliferating cell nuclear antigen (PCNA Products)
Background:	<p>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.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	29 kDa
Gene ID:	5111
UniProt:	P12004
Pathways:	Telomere Maintenance , DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Autophagy

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: NIH-3T3 , PC-12 Validation: IP/MS, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.11 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

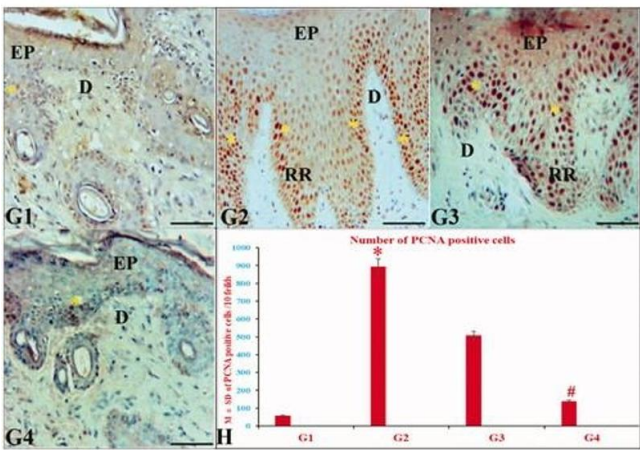
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

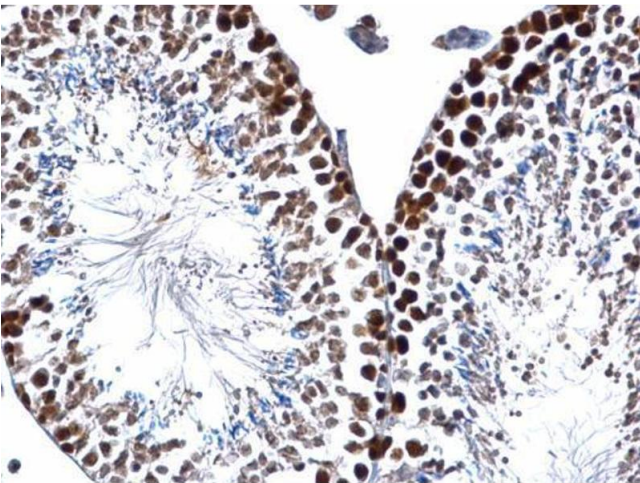
Product cited in:	Chao, Wroblewski, Ilkayeva, Stevens, Bain, Meyer, Schenk, Martinez, Vergnes, Narkar, Drew, Hong, Boyadjian, Hevener, Evans, Reue, Spencer, Newgard, Tontonoz: "Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization." in: Journal of lipid research , Vol. 53, Issue 12, pp. 2610-9, (2012) (PubMed).
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Validation report #104252 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



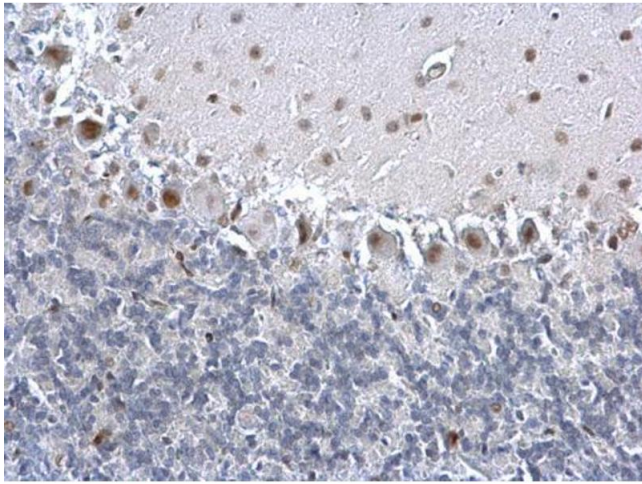
Immunostaining

Image 1. The effects of ustekinumab and CUC on PCNA IE in IQ-induced psoriatic skin lesions. The skin of G1 exhibits normal IE of PCNA compared to the remarkable IE of PCNA in the epidermis (EP) of G2, indicating the extent of inflammatory changes in G2. In contrast, the improvement of PCNA IE in the skin lesions of G4 is better than G3. PCNA immunostaining, 100x, bar = 200 µm. Histogram (H) expresses the M ± SD of PCNA IE in all groups. *P < 0.05 vs. G1 and G4, while #P vs. G2 and G3. Source: PMID34749565



Immunohistochemistry

Image 2. IHC-P Image PCNA antibody detects PCNA protein at nucleus on mouse testis by immunohistochemical analysis. Sample: Paraffin-embedded mouse testis. PCNA antibody, dilution: 1:500.



Immunohistochemistry

Image 3. IHC-P Image PCNA antibody detects PCNA protein at nucleus on rat hind brain by immunohistochemical analysis. Sample: Paraffin-embedded rat hind brain. PCNA antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 16 images are available for ABIN2854788.