

Product Datasheet

PCNA Antibody NBP1-32075

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 2

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NBP1-32075

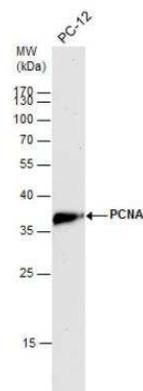
PCNA Antibody

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	29 kDa
Product Description	
Description	Novus Biologicals Rabbit PCNA Antibody (NBP1-32075) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-PCNA Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5111
Gene Symbol	PCNA
Species	Human, Mouse, Rat, Drosophila, Golden Syrian Hamster
Reactivity Notes	Xenopus laevis (88%).
Marker	Proliferation Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human PCNA. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:10 - 1:500

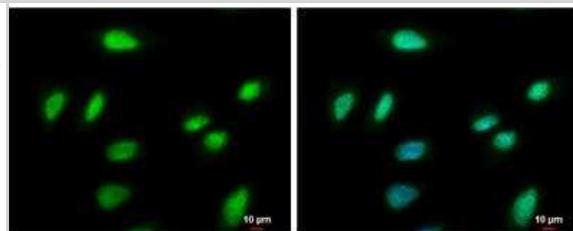


Images

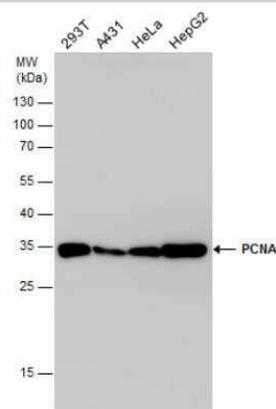
Western Blot: PCNA Antibody [NBP1-32075] - A. 30 ug PC-12 whole cell lysate/extract 12 % SDS-PAGE PCNA antibody dilution: 1:2500



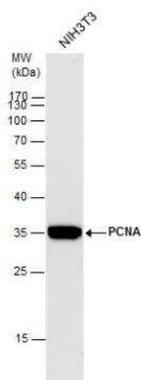
Immunocytochemistry/Immunofluorescence: PCNA Antibody [NBP1-32075] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: PCNA protein stained by PCNA antibody diluted at 1:1000. Blue: Hoechst 33342 staining. Scale bar = 10 um



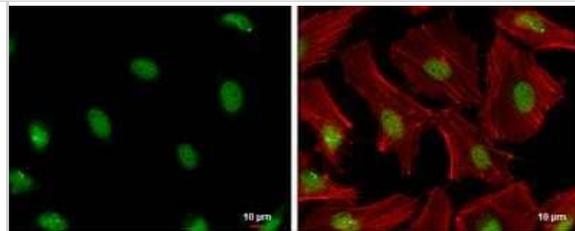
Western Blot: PCNA Antibody [NBP1-32075] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with PCNA antibody diluted at a dilution of 1:2500.



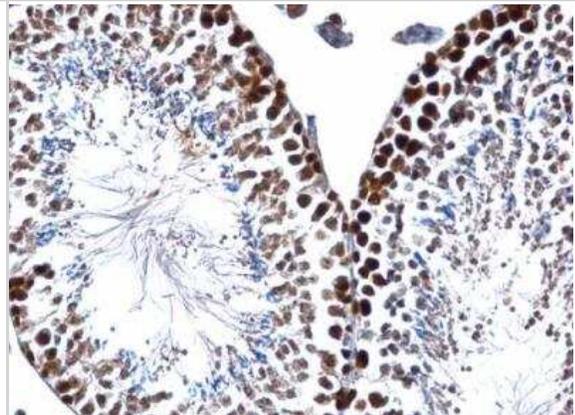
Western Blot: PCNA Antibody [NBP1-32075] - A. 30 ug NIH-3T3 whole cell lysate/extract 12 % SDS-PAGE PCNA antibody dilution: 1:2500



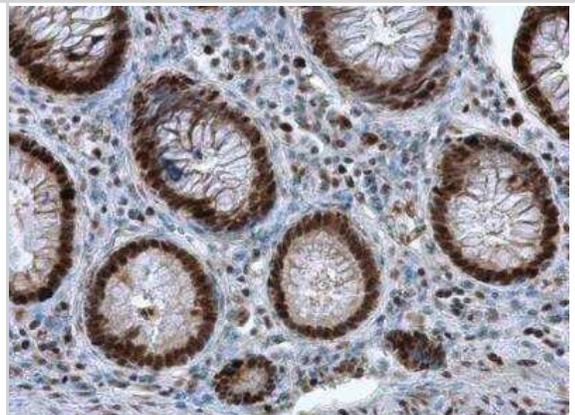
Immunocytochemistry/Immunofluorescence: PCNA Antibody [NBP1-32075] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PCNA protein stained by PCNA antibody diluted at 1:500. Red: Phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar = 10 μ m.



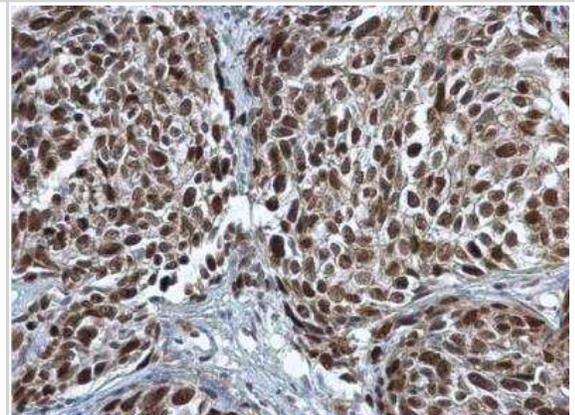
Immunohistochemistry-Paraffin: PCNA Antibody [NBP1-32075] - Mouse testis. PCNA antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



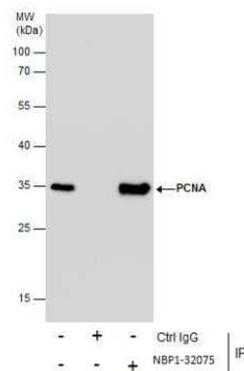
Immunohistochemistry-Paraffin: PCNA Antibody [NBP1-32075] - Human colon. PCNA antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



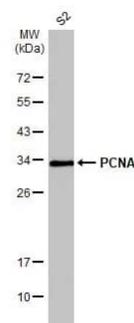
Immunohistochemistry-Paraffin: PCNA Antibody [NBP1-32075] - Human cervical carcinoma. PCNA antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



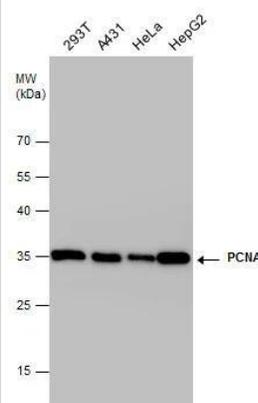
Immunoprecipitation: PCNA Antibody [NBP1-32075] - Immunoprecipitation of PCBP2 protein from HeLa whole cell extracts using 5 ug of PCBP2 antibody. Western blot analysis was performed using PCBP2 antibody. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



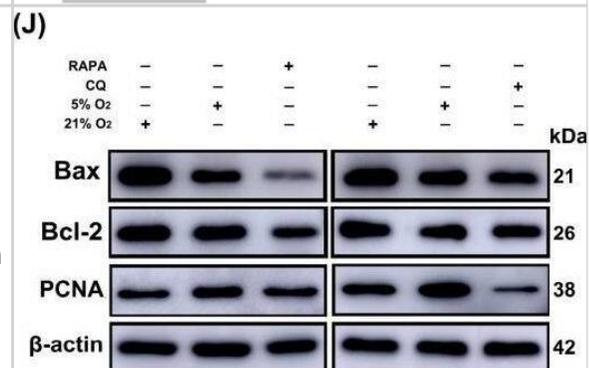
Western Blot: PCNA Antibody [NBP1-32075] - Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with PCNA antibody (NBP1-32075) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



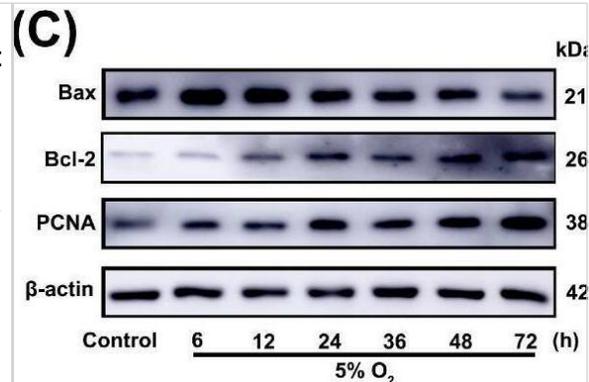
PCNA antibody detects PCNA protein by Western blot analysis. Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with PCNA antibody (NBP1-32075) diluted at 1:2500.



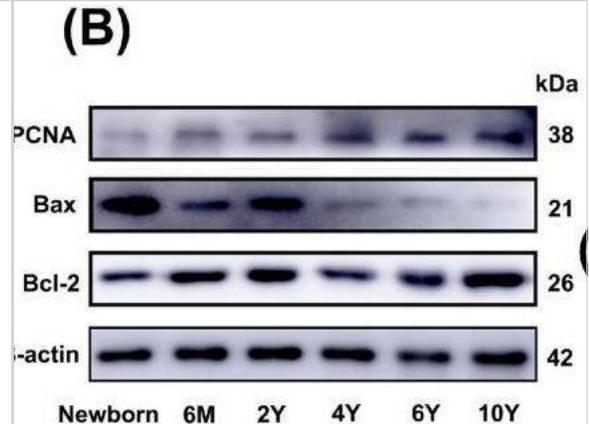
Activation (RAPA) (20 μ M) and inhibition (CQ) (50 μ M) of HIF-1 α affected autophagy, proliferation, and anti-apoptosis ability of yak heart CASCs. (A–C) Effects of RAPA and CQ on the expression of autophagy-related proteins in yak heart CASCs. (D–G) RAPA and CQ on the expression of LC3-II and P62 protein in yak heart CASCs by IF analysis. Magnification: $\times 10$, Bar = 200 μ m. (H,I) The effects of RAPA and CQ on autophagy expression in yak heart CASCs by Ad-mRFP-GFP-LC3B analysis. Bar = 20 μ m. (J–L) The effects of RAPA and CQ on the expression of proliferation- and apoptosis-related proteins in yak heart CASCs by Western blot. (M,O) EdU proliferation was used to detect the effect of RAPA and CQ on proliferation expression in yak heart CASCs. (N,P) TUNEL apoptosis was used to detect the effect of RAPA and CQ on apoptosis expression in yak heart CASCs. Magnification: $\times 10$, Bar = 200 μ m. (** $p < 0.01$) (n = 3). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40001559>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



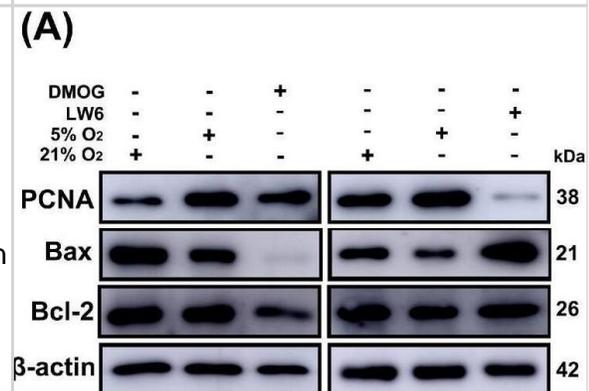
Hypoxia induces the expression of PCNA, Bax, and Bcl-2 in yak CASMCs. (A) Primary yak CASMCs were cultured in vitro. Magnification: $\times 10$, Bar = 200 μm . (B) Identification of CASMCs in yak heart. Magnification: $\times 10$, Bar = 200 μm . (C,D) Hypoxia-induced levels of PCNA, Bax, and Bcl-2 proteins in CASMCs of yak heart induced by Western blot. (E) Hypoxia-induced levels of PCNA, Bax, and Bcl-2 mRNAs in CASMCs of yak heart by qRT-PCR. (nsp ≥ 0.05 , * $p < 0.05$, ** $p < 0.01$) (n = 3). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40001559>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



IHC, Western blot, and qRT-PCR analysis of changes in PCNA, Bax, and Bcl-2 in heart tissue of yak at different stages. (A) Localization and distribution of PCNA, Bax, and Bcl-2 proteins in yak hearts at different ages. Magnification: $\times 20$, Bar = 100 μm . (B,C) The levels of PCNA, Bax, and Bcl-2 proteins in heart tissue of yaks at different ages were determined by Western blot. Western blot original images can be found in File S1. (D) The levels of PCNA, Bax, and Bcl-2 mRNAs in heart tissues of yaks at different ages were determined by qRT-PCR. (nsp ≥ 0.05 , * $p < 0.05$, ** $p < 0.01$) (n = 3). \square : cardiomyocytes; \blacktriangle : vascular smooth muscle cells; \uparrow : vascular endothelial cells. Newborn: Newborn; 6 M: 6 months old; 2 Y: 2 years old; 4 Y: 4 years old; 6 Y: 6 years old; 10 Y: 10 years old. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40001559>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Activation (DMOG) (200 μM) and inhibition (LW6) (25 μM) of HIF-1 α affected the proliferation and anti-apoptotic ability of yak heart CASMCs. (A–C) Effects of DMOG and LW6 on the expression of proliferation- and apoptosis-related proteins in yak heart CASMCs. (D,F) EdU proliferation was used to detect the effect of DMOG and LW6 on the proliferation expression of yak heart CASMCs. (E,G) TUNEL apoptosis assay was used to detect the effect of DMOG and LW6 on apoptosis expression in CASMCs of yak heart. Magnification: $\times 10$, Bar = 200 μm . (** $p < 0.01$) (n = 3). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40001559>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wang J, Pan Y, Wang M et al. Follicular fluid exosomes regulate OVGP1 secretion in yak oviduct epithelial cells via autophagy in vitro *Journal of cellular physiology* 2023-04-04 [PMID: 37013674]

Li CJ, Chu CY, Huang LH et al. Synergistic anticancer activity of triptolide combined with cisplatin enhances apoptosis in gastric cancer in vitro and in vivo. *Cancer Lett* 2012-06-01 [PMID: 22306340] (IF/IHC, Mouse)



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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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