

Product Datasheet

PCNA Antibody [Knockout Validated] (orb1925772)

Catalog Number	orb1925772
Category	Antibodies
Description	Purified Mouse Monoclonal Antibody (Mab)
Target	PCNA
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1,k
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Immunogen	This PCNA antibody is generated from a mouse immunized with a recombinant protein of human PCNA.
UniProt ID	P12004
MW	28769 Da
Tested applications	FC, IHC-P, WB
Dilution range	WB - 1:2000, IHC - 1:2000, IHC-P - 1:25, FC - 1:25
Clone Number	B3877EV728X32X48

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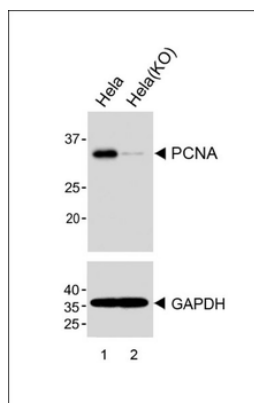
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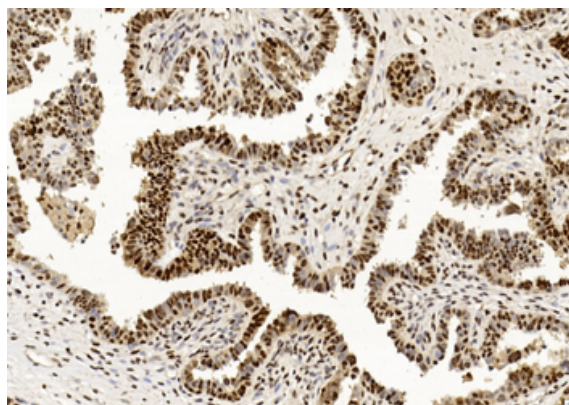
Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

Note For research use only

Expiration Date 12 months from date of receipt.



All lanes: Anti-PCNA Antibody (C-term) at 1:1000 dilution (upper) Lane 1: HeLa Lane 2: HeLa-Knockout Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/8000 dilution. Predicted band size: 28 kDa



Immunohistochemical analysis of paraffin-embedded Human Ovarian cancer section using Pink1. Diluted at 1:2000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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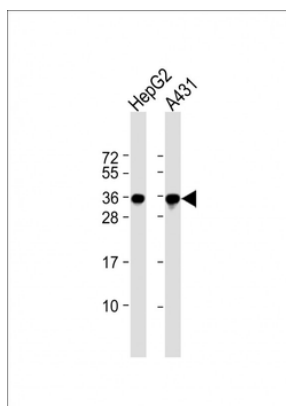
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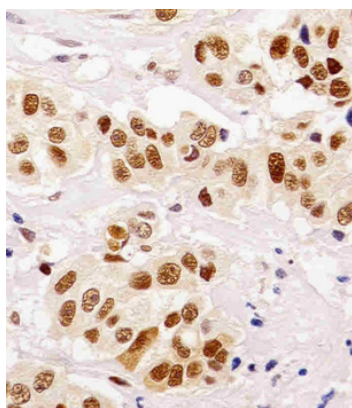
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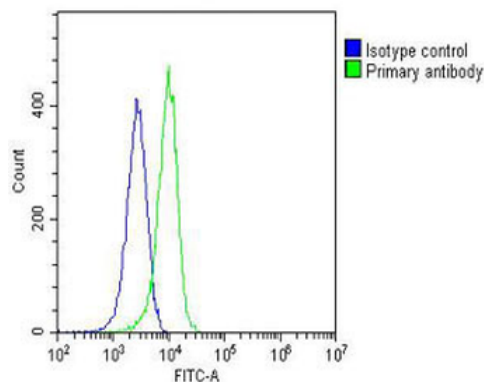
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All lanes: Anti-PCNA Antibody at 1:2000 dilution. Lane 1: HepG2 whole cell lysate. Lane 2: A431 whole cell lysate. Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 29 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Staining PCNA in human breast carcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing HeLa cells stained (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1 μ g/1x10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.

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