KD-Validated Anti-PCNA Mouse Monoclonal Antibody

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REAL MATTERS

Catalog #: 62845

Aliases

PCNA; Proliferating Cell Nuclear Antigen 2; Cyclin; DNA Polymerase Delta Auxiliary Protein; ATLD2

Background

Gene Name: PCNA
NCBI Gene Entry: 5111
UniProt Entry: P12004

Application Information

Molecular Weight: Predicted, 29 kDa, observed, 35 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 24GB2810
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human PCNA

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Immunohistochemistry (IHC): 1:100-1:200

Note: This product is for research use only.
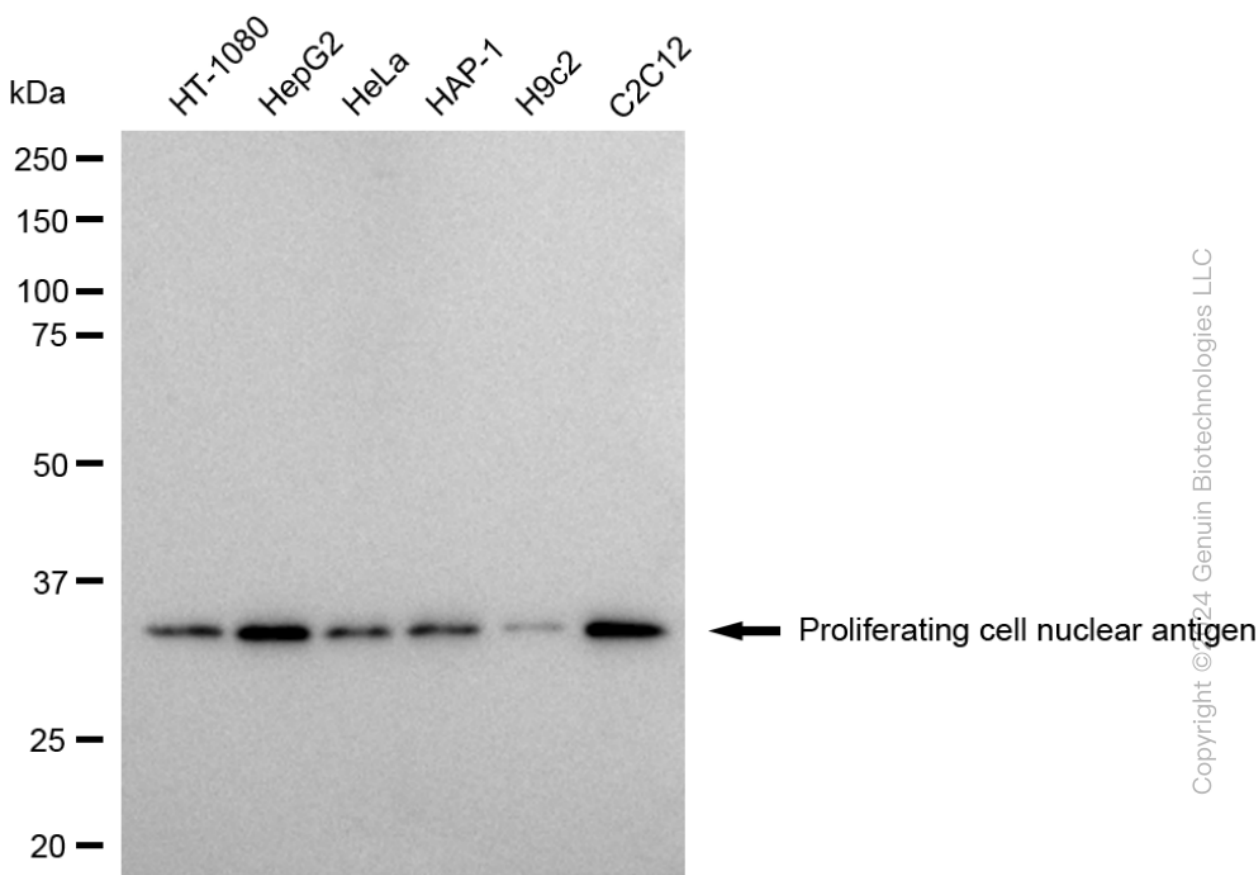
Validation Data

SUPPORT
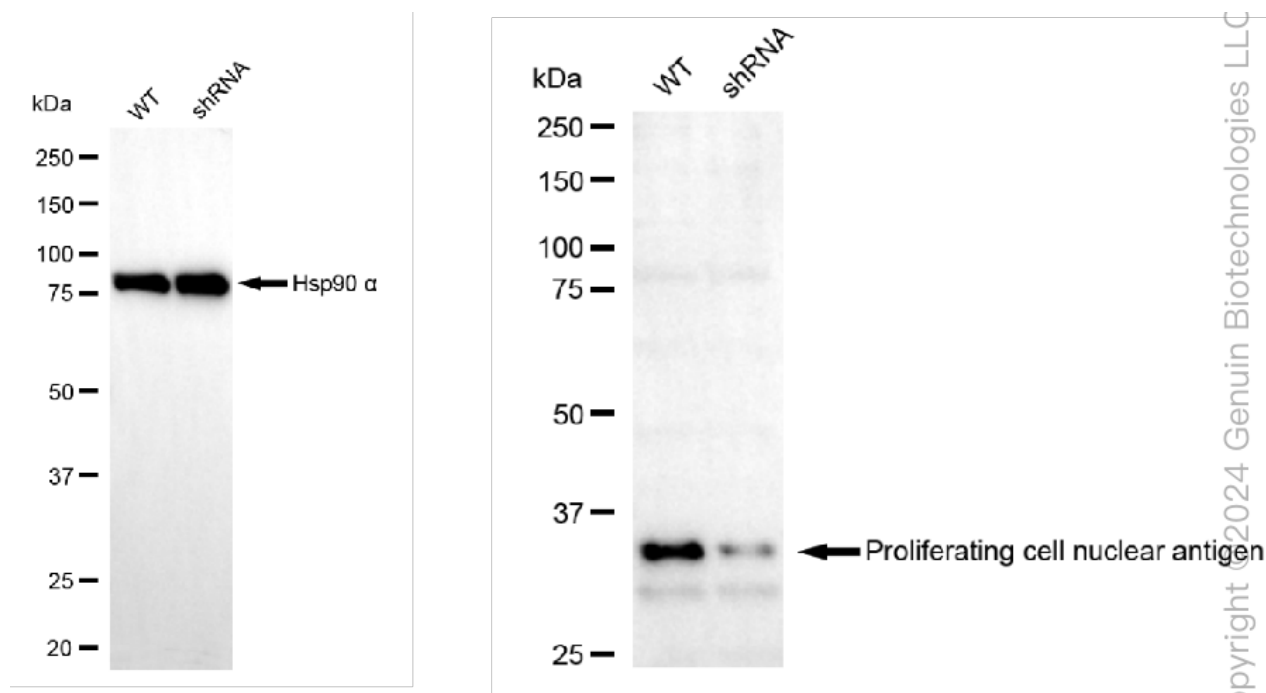SUPPORT@GENUINBIOTECH.COM
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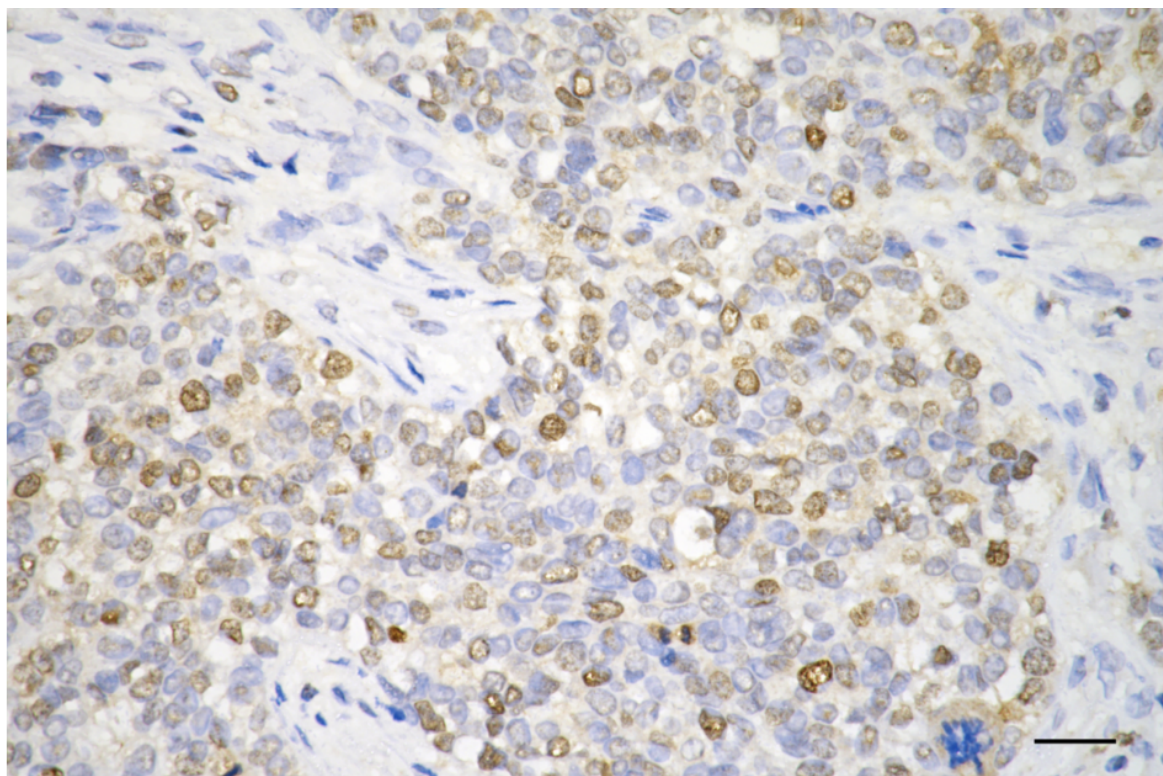
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Western blotting analysis using anti-Proliferating cell nuclear antigen antibody (Cat#62845). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Proliferating cell nuclear antigen antibody (Cat#62845, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

Western blotting analysis using anti-Proliferating cell nuclear antigen antibody (Cat#62845). Proliferating cell nuclear antigen expression in wild type (WT) and Proliferating cell nuclear antigen shRNA knockdown (KD) HeLa cells with 30 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Proliferating cell nuclear antigen antibody (Cat#62845, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using anti-proliferating cell nuclear antigen antibody (Cat#62845, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.

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