Anti-PNK / PNKP Recombinant Rabbit Monoclonal Antibody

Catalog #: 2431

Aliases

Polynucleotide Kinase 3'-Phosphatase; PNK; Bifunctional Polynucleotide Phosphatase/Kinase; DNA 5'-Kinase/3'-Phosphatase; Homo Sapiens Polynucleotide Kinase 3'-Phosphatase (PNKP); Polynucleotide Kinase-3'-Phosphatase; CMT2B2; EIEE10; AOA4; MCSZ

Background

Gene Name: PNKP
NCBI Gene Entry: 11284
UniProt Entry: Q96T60

Application Information

Molecular Weight: Predicted, 57 kDa; observed, 57 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB805
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human PNK / PNKP

Isotype

Rabbit IgG

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
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

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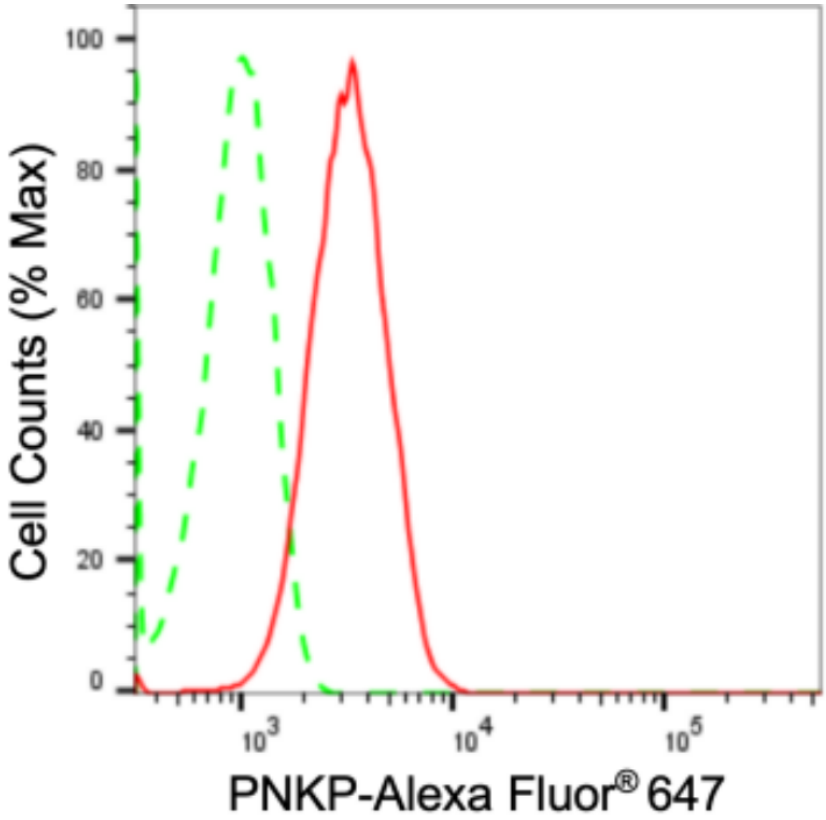
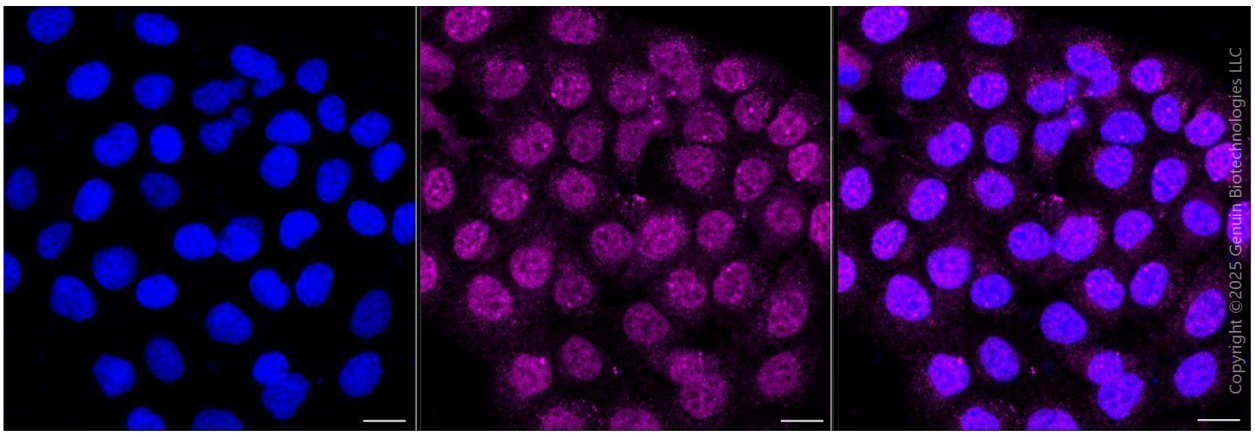
Validation Data



Flow cytometric analysis of PNKP expression in HT-1080 cells using anti-PNKP antibody (Cat#2431, 1:2,000). Green, isotype control; red, PNKP.



Immunocytochemical staining of HT-1080 cells with anti-PNKP antibody (Cat#2431, 1:1,000) . Nuclei were stained blue with DAPI; PNKP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.

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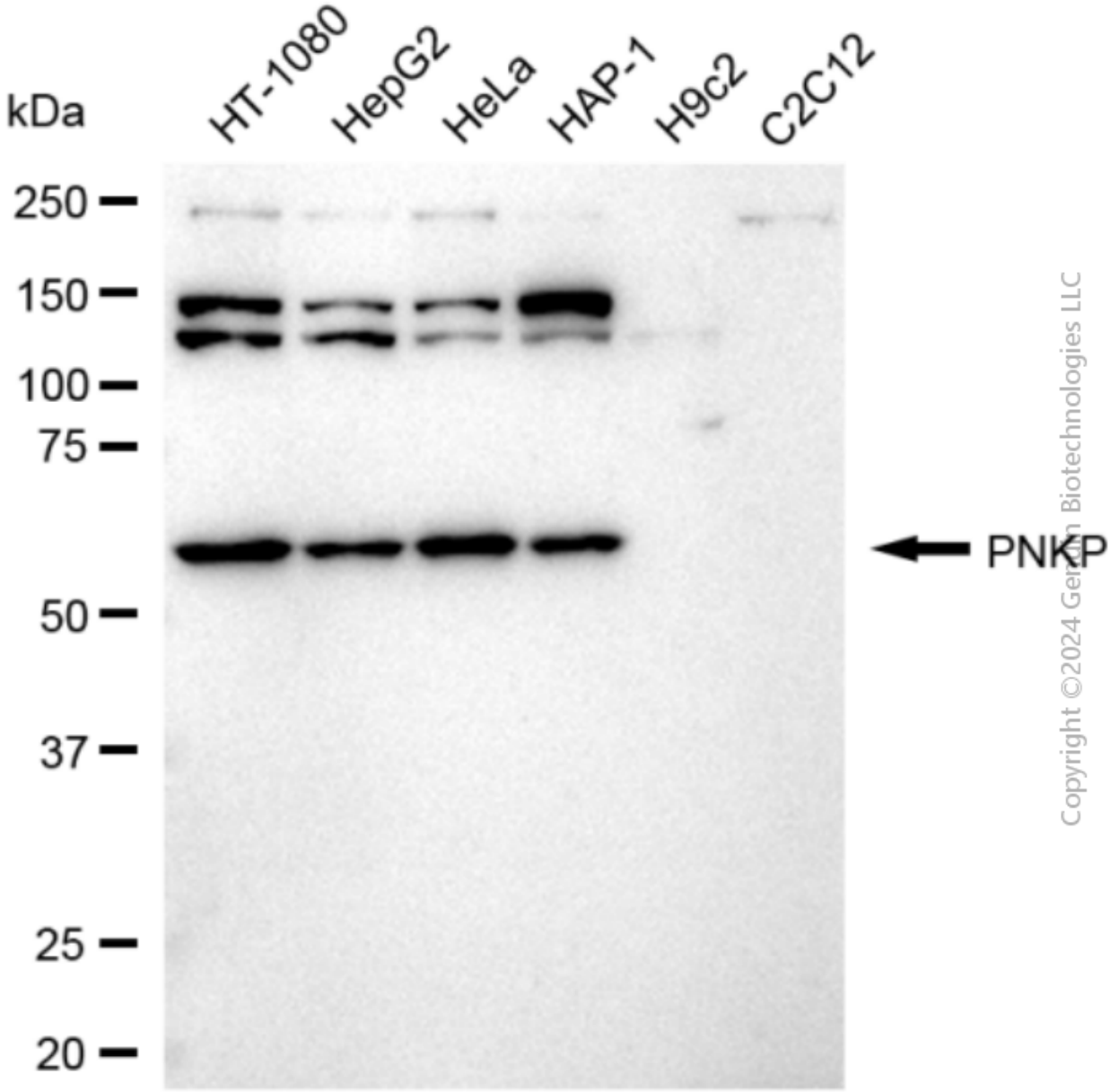

Western blotting analysis using anti-PNKP antibody (Cat#2431). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PNKP antibody (Cat#2431, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).