

KD-Validated Anti-NAGK Mouse Monoclonal Antibody



Catalog #: 65080

Aliases

NAGK; N-Acetylglucosamine Kinase; GNK; N-Acetyl-D-Glucosamine Kinase; N-Acetyl-D-Mannosamine Kinase; Muramyl Dipeptide Kinase; GlcNAc Kinase; EC 2.7.1.59; Epididymis Secretory Sperm Binding Protein; EC 2.7.1.60; EC 2.7.1.-; HSA242910

Background

Gene Name: NAGK

NCBI Gene Entry: [55577](#)

UniProt Entry: [Q9UJ70](#)

Application Information

Molecular Weight: Predicted, 37 kDa; observed, 35 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB14215

Species Reactivity: Human, mouse

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human NAGK

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): 1:400-1:2,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

SUPPORT

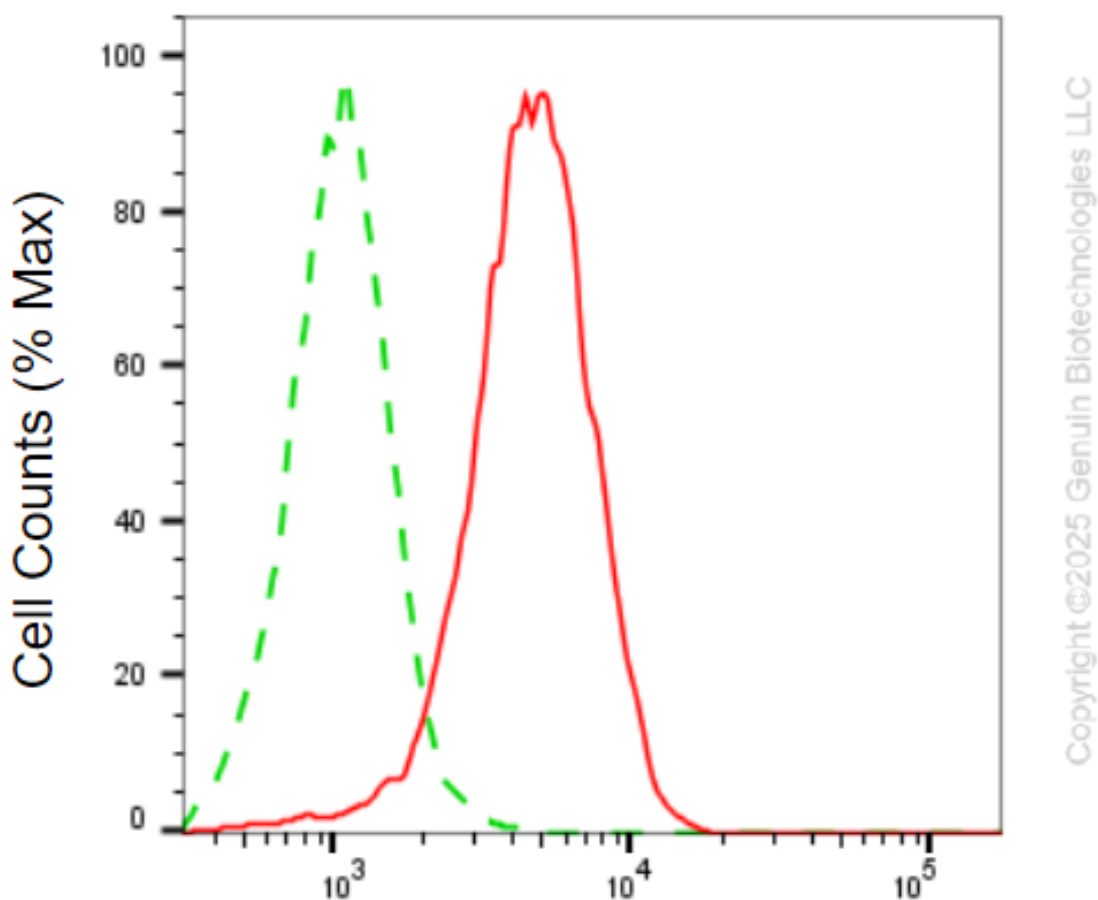
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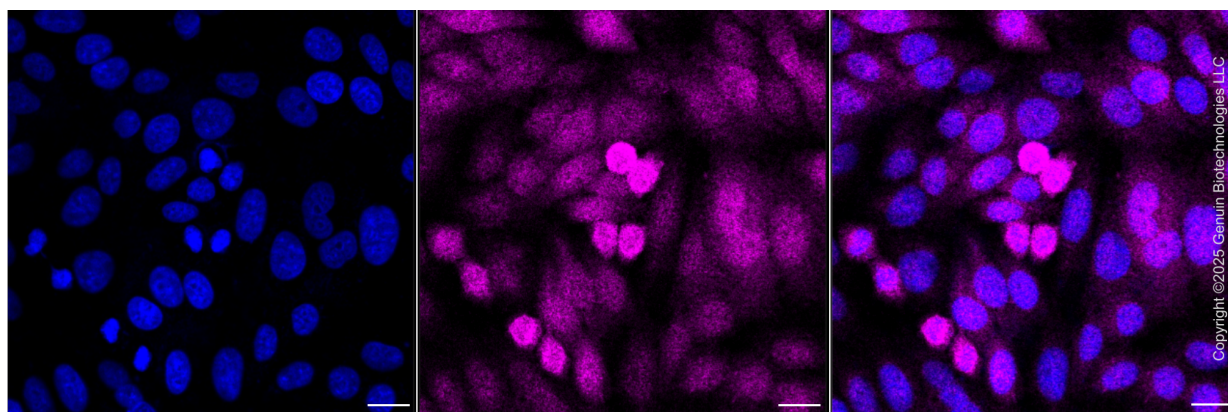
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Validation Data



N-acetylglucosamine kinase-Alexa Fluor® 647

Flow cytometric analysis of N-acetylglucosamine kinase expression in HepG2 cells using anti-N-acetylglucosamine kinase antibody (Cat#65080, 1:2,000). Green, isotype control; red, N-acetylglucosamine kinase.



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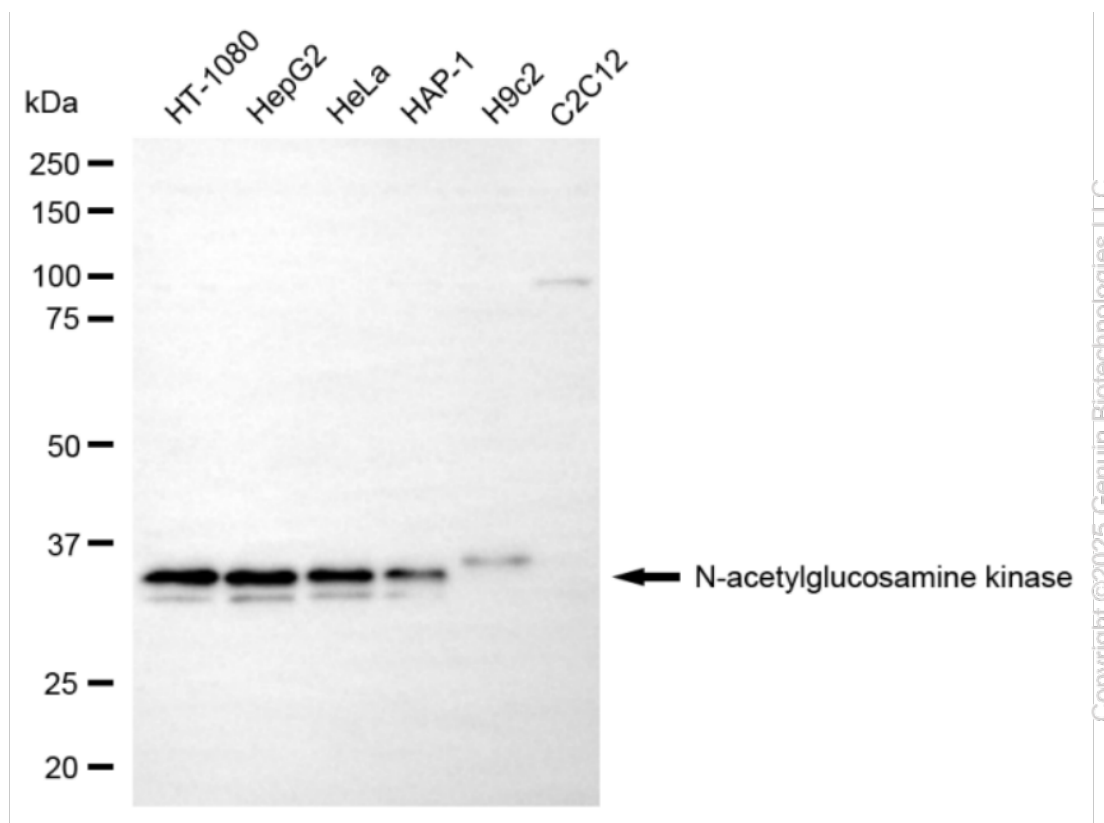
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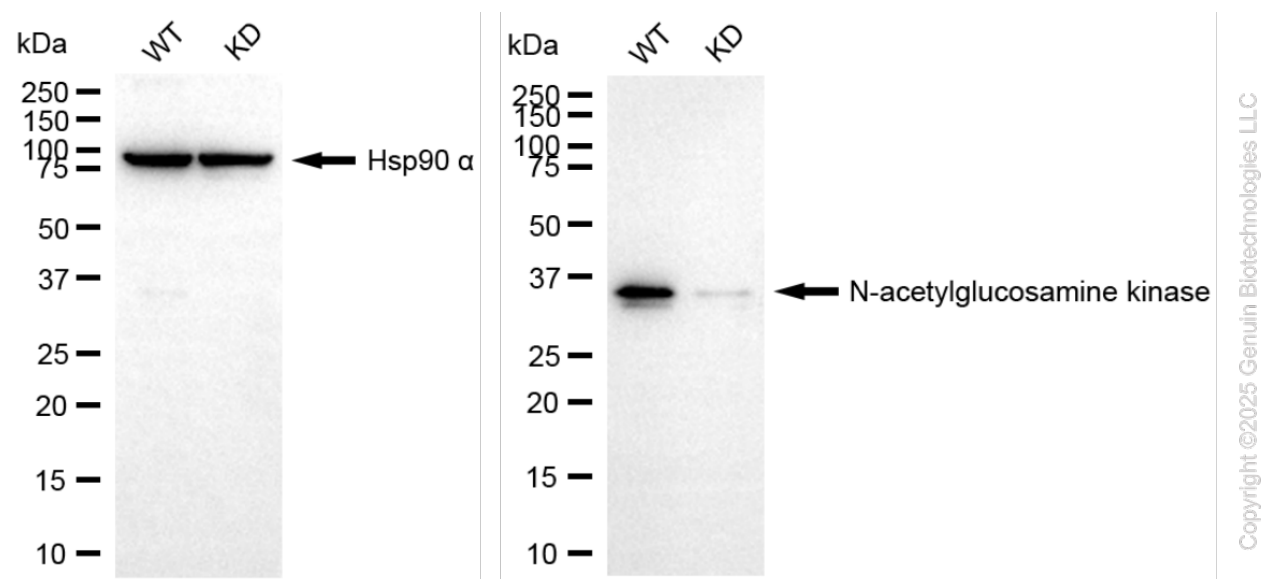
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Immunocytochemical staining of HepG2 cells with anti-N-acetylglucosamine kinase antibody (Cat#65080, 1:1,000). Nuclei were stained blue with DAPI; N-acetylglucosamine kinase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 μ m.



Western blotting analysis using anti-N-acetylglucosamine kinase antibody (Cat#65080). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-N-acetylglucosamine kinase antibody (Cat#65080, 1:2,000) 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-N-acetylglucosamine kinase antibody (Cat#65080). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-N-acetylglucosamine kinase antibody (Cat#65080, 1:2,000) 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-N-acetylglucosamine kinase antibody (Cat#65080). N-acetylglucosamine kinase expression in wild-type (WT) and N-acetylglucosamine kinase (NAGK) knockdown (KD) HT-1080 cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-N-acetylglucosamine kinase antibody (Cat#65080, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).