

## Catalog #: 3282

### Aliases

GNE; Glucosamine (UDP-N-Acetyl)-2-Epimerase/N-Acetylmannosamine Kinase; Bifunctional UDP-N-Acetylglucosamine 2; Epimerase/N-Acetylmannosamine Kinase; UDP-GlcNAc-2-Epimerase/ManAc Kinase; GLCNE; Uae1; IBM2; UDP-N-Acetylglucosamine-2-Epimerase/N-Acetylmannosamine Kinase; UDP-N-Acetylglucosamine 2-Epimerase/N-Acetylmannosamine Kinase; N-Acylmannosamine Kinase; DMRV; UAE1; NM

### Background

Gene Name: GNE

NCBI Gene Entry: [10020](#)

UniProt Entry: [Q9Y223](#)

### Application Information

Molecular Weight: Predicted, 79 kDa; observed, 73 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB4865

Species Reactivity: Human

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

### Immunogen

A synthesized peptide derived from human GLCNE

### 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

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

Flow Cytometry (FCM): 1:2,000

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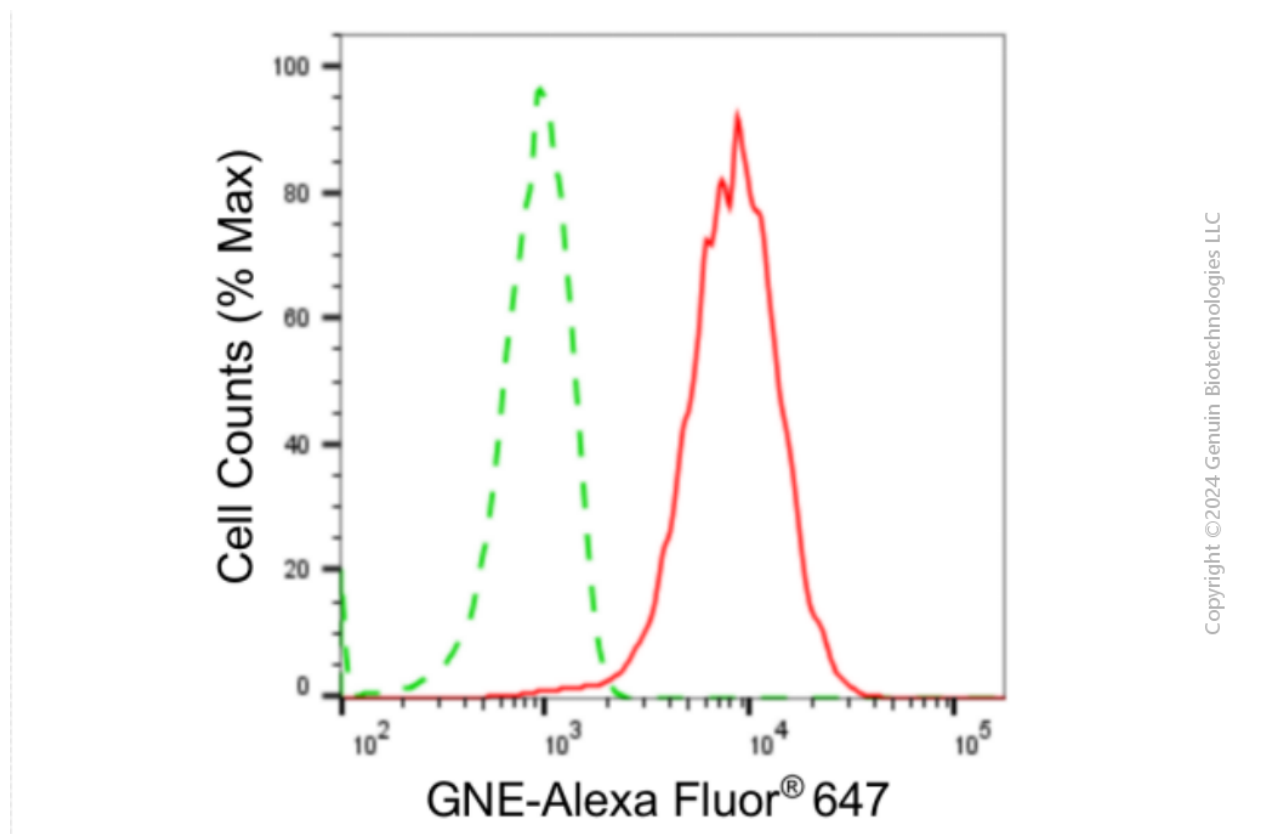
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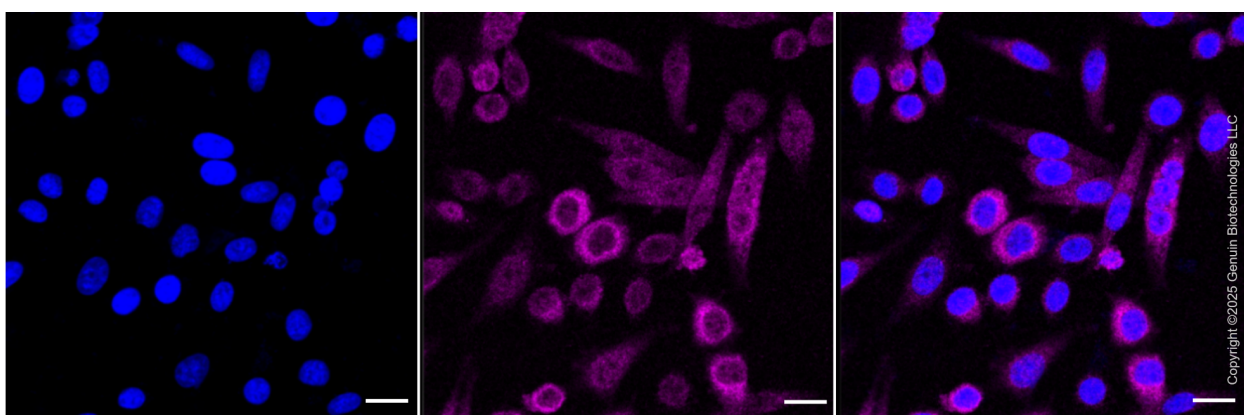
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**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of GNE expression in HepG2 cells using anti-GNE antibody (Cat#3282, 1:2,000). Green, isotype control; red, GNE.



Immunocytochemical staining of HepG2 cells with anti-GNE antibody (Cat#3282, 1:1,000). Nuclei were stained blue with DAPI; GNE 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  $\mu$ m.

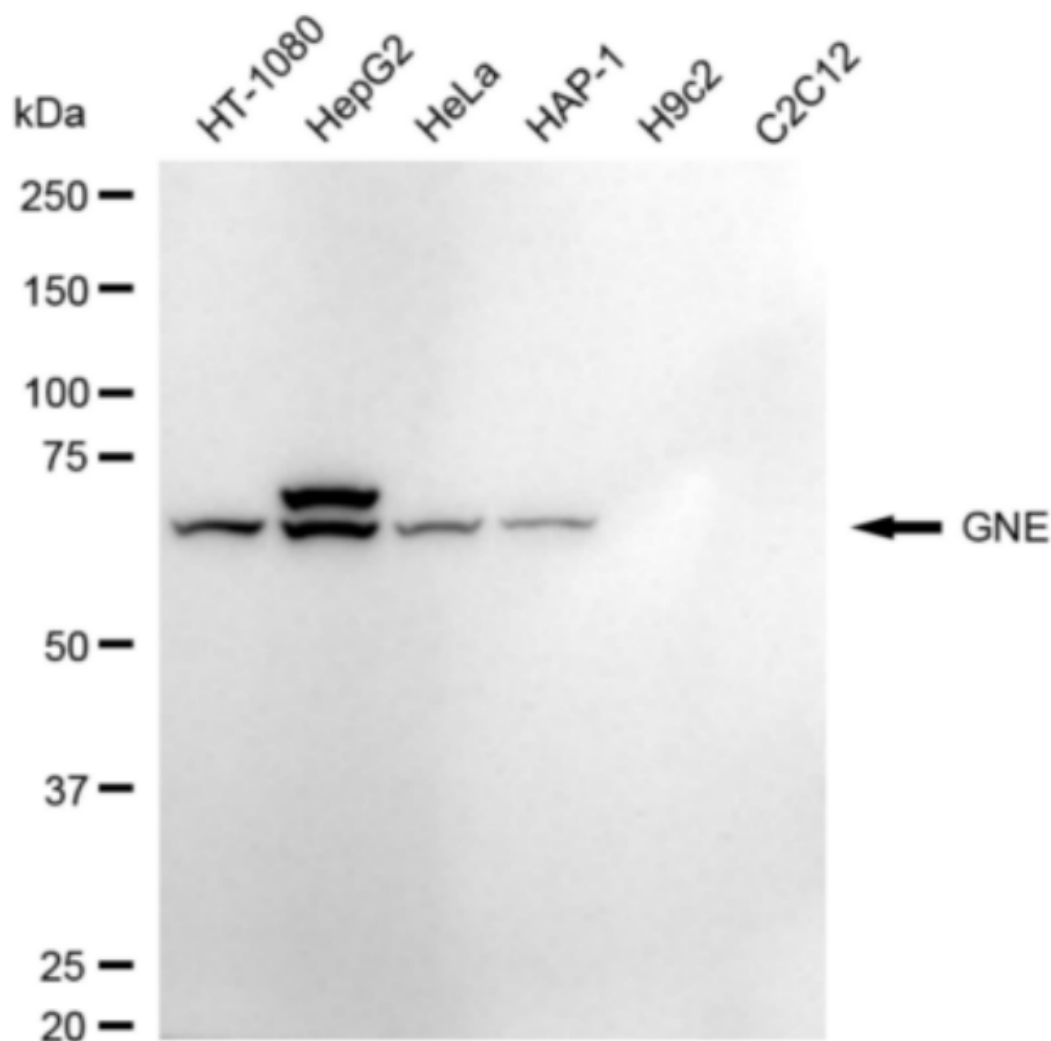
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Western blotting analysis using anti-GNE antibody (Cat#3282). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GNE antibody (Cat#3282, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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