

# Anti-Glutathione synthetase Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4575**

## Aliases

GSS; Glutathione Synthetase; Glutathione Synthase; GSH Synthetase; EC 6.3.2.3; GSH-S; HEL-S-64p; HEL-S-88n; GSHS

## Background

Gene Name: GSS

NCBI Gene Entry: [2937](#)

UniProt Entry: [P48637](#)

## Application Information

Molecular Weight: Predicted, 52 kDa; observed, 48 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB11895

Species Reactivity: Human, mouse, rat

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

## Immunogen

A synthesized peptide derived from human Glutathione Synthetase

## 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.

## Validation Data

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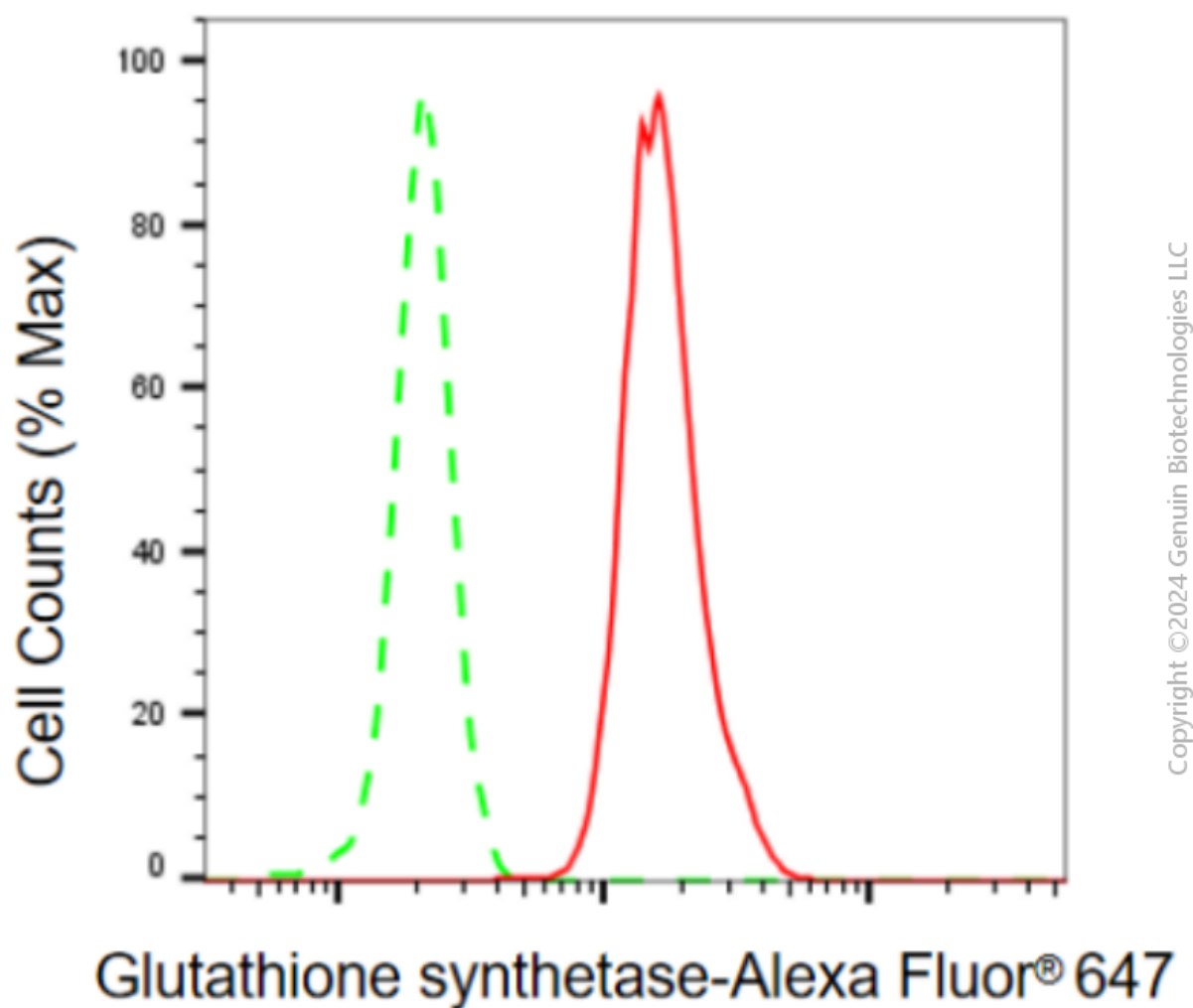
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

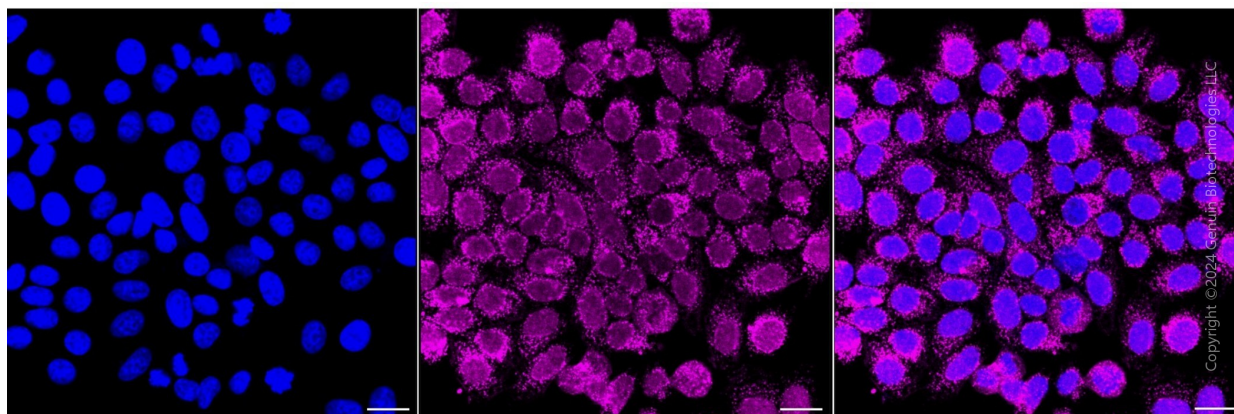
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Flow cytometric analysis of glutathione synthetase expression in HepG2 cells using anti-glutathione synthetase antibody (Cat#4575, 1:2,000). Green, isotype control; red, glutathione synthetase.



Immunocytochemical staining of HepG2 cells with anti-Glutathione synthetase antibody

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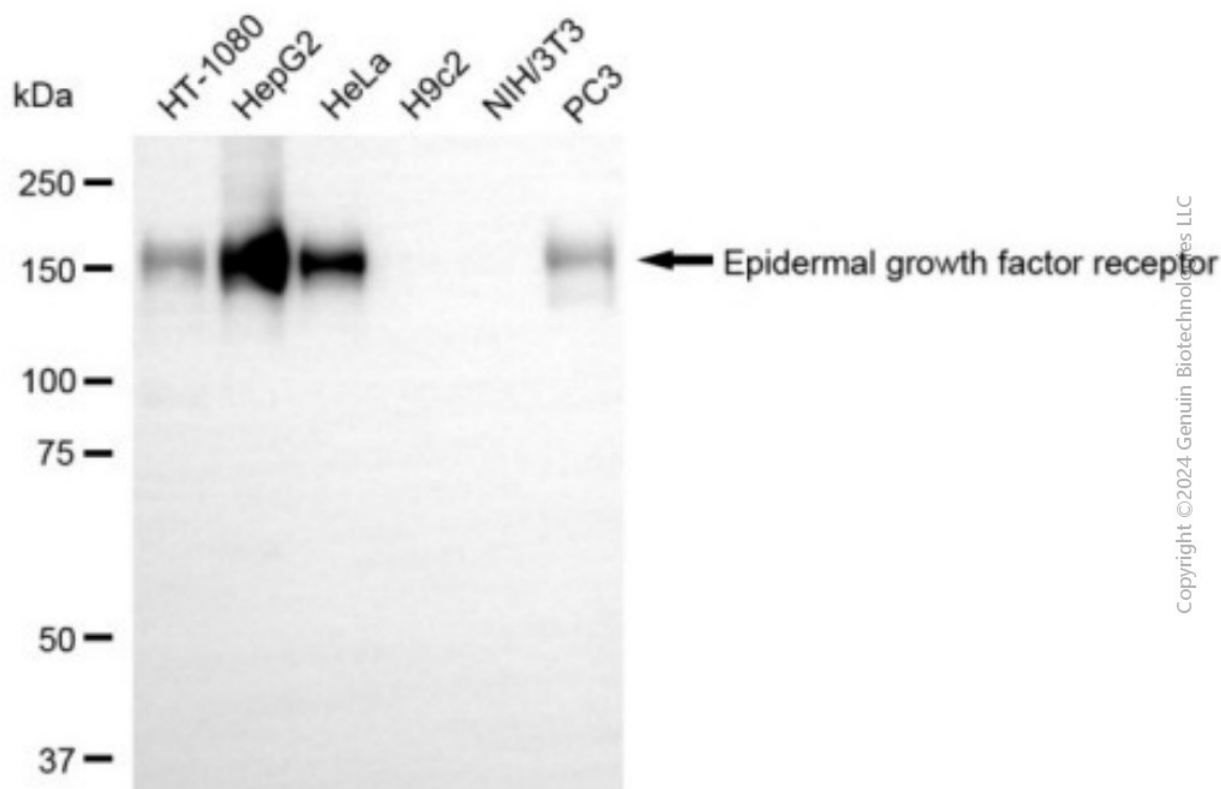
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(Cat#4575, 1:1,000). Nuclei were stained blue with DAPI; Glutathione synthetase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-glutathione synthetase antibody (Cat#4575). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-glutathione synthetase antibody (Cat#4575, 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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