Anti-HMGCR Recombinant Rabbit Monoclonal Antibody

Catalog #: 2146

Aliases

HMGCR; 3-Hydroxy-3-Methylglutaryl-CoA Reductase; 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase; 3-Hydroxy-3-Methylglutaryl CoA Reductase (NADPH); Hydroxymethylglutaryl-CoA Reductase; HMG-CoA Reductase; EC 1.1.1.34; EC 1.1.1; LGMDR28; LDLCQ3; MYPLG

Background

Gene Name: HMGCR
NCBI Gene Entry: 3156
UniProt Entry: P04035

Application Information

Molecular Weight: Predicted, 97 kDa; observed, 97 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB6220
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human HMGCR

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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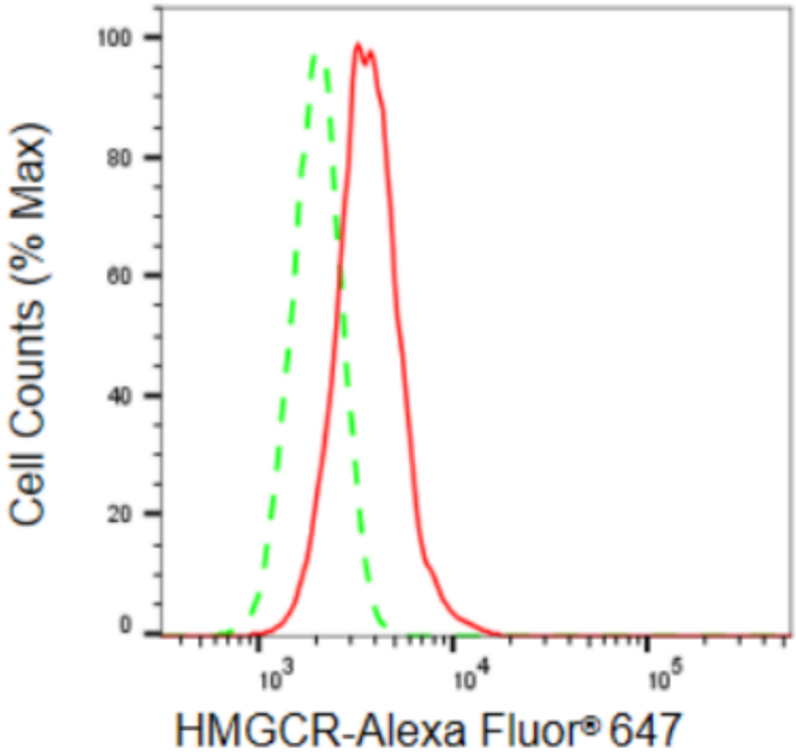
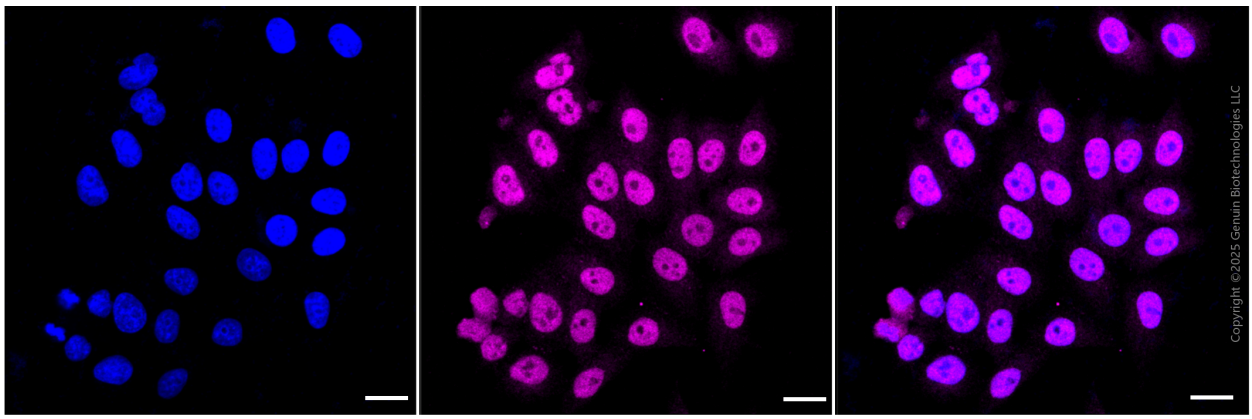
Validation Data



Flow cytometric analysis of HMGCR expression in HepG2 cells using HMGCR antibody (Cat#2146, 1:2,000). Green, isotype control; red, HMGCR.



Immunocytochemical staining of HepG2 cells with anti-HMGCR antibody (Cat #2146, 1:1,000) . Nuclei were stained blue with DAPI; HMGCR 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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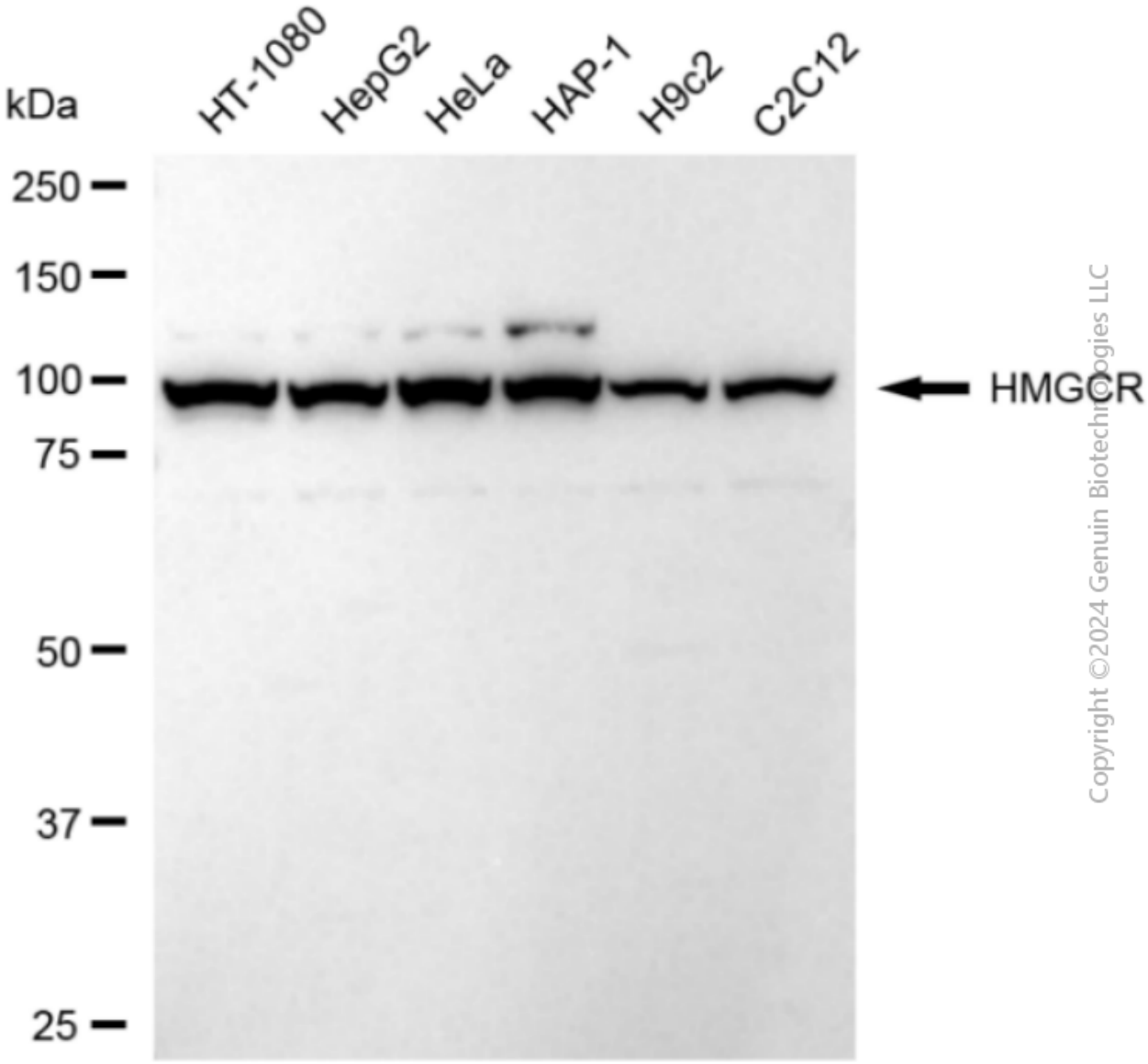

Western blotting analysis using anti-HMGCR antibody (Cat#2146). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HMGCR antibody (Cat#2146, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).