Anti-Autophagy Related 12 Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 2972

Aliases

ATG12; Autophagy Related 12; APG12; APG12L; Ubiquitin-Like Protein ATG12; APG12 Autophagy 12-Like; ATG12 Autophagy Related 12 Homolog (S. Cerevisiae); Apg12 (Autophagy 12, S. Cerevisiae)-Like; APG12 Autophagy 12-Like (S. Cerevisiae); ATG12 Autophagy Related 12 Homolog; Apg12 (Autophagy, Yeast) Homolog; Autophagy-Related Protein 12; APG12-Like; HAPG12; FBR93

Background

Gene Name: ATG12
NCBI Gene Entry: 9140
UniProt Entry: O94817

Application Information

Molecular Weight: Predicted, 15 kDa; observed, 55 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB3425
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Apg12(Atg12)

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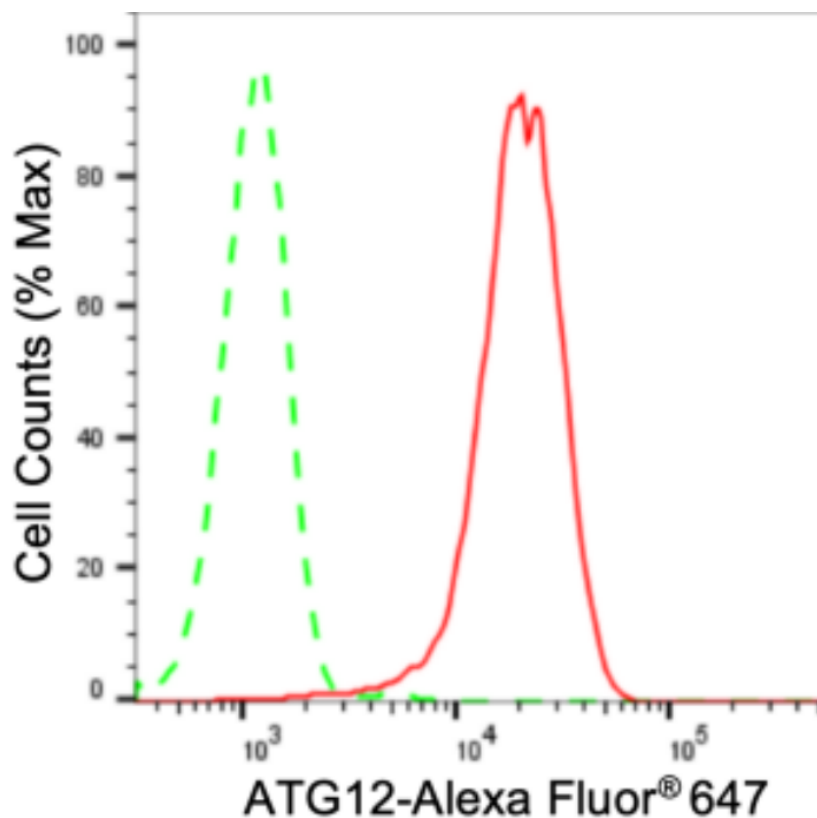Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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Note: This product is for research use only.

Validation Data

Flow cytometric analysis of ATG12 expression in HepG2 cells using anti-ATG12 antibody (Cat#2972, 1:2,000). Green, isotype control; red, ATG12.
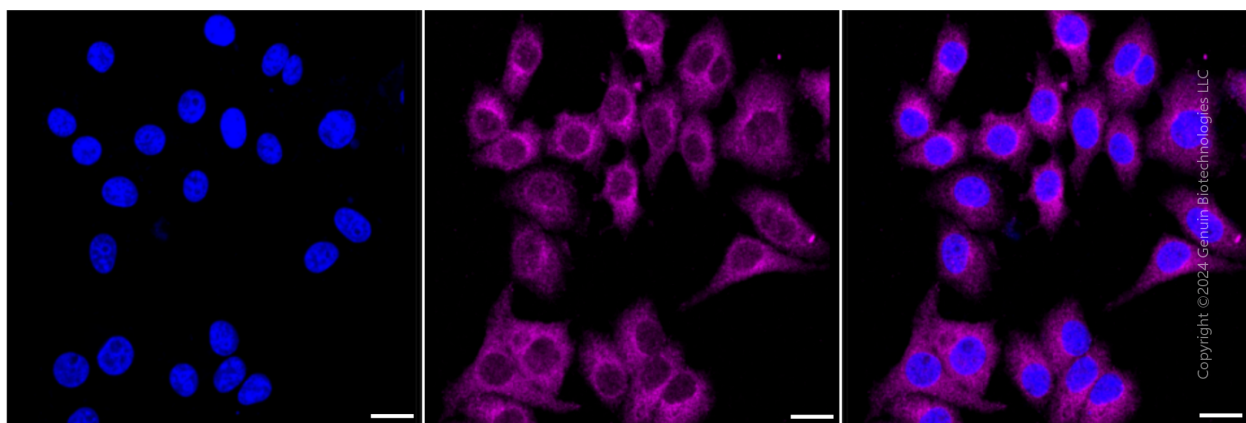
Immunocytochemical staining of HepG2 cells with anti-ATG12 antibody (Cat#2972, 1:1,000) . Nuclei were stained blue with DAPI; ATG12 was stained magenta with Alexa Fluor® 647. Images were taken using leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 μm.
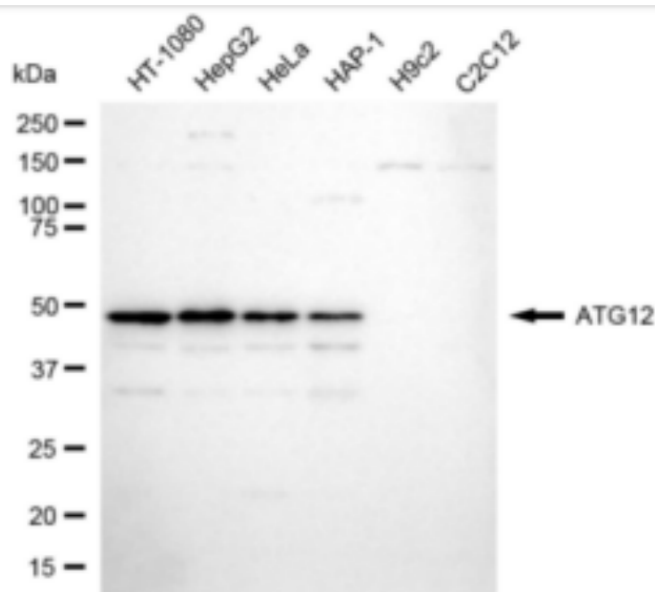
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Western blotting analysis using anti-ATG12 antibody (Cat#2972). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG12 antibody (Cat#2972, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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