Anti-ATG7 Recombinant Rabbit Monoclonal Antibody

Catalog #: 8737

Aliases

ATG7; Autophagy Related 7; Ubiquitin-Activating Enzyme E1-Like Protein; Ubiquitin-Like Modifier-Activating Enzyme ATG7; ATG12-Activating Enzyme E1 ATG7; APG7L; HAGP7; ATG7 Autophagy Related 7 Homolog (S. Cerevisiae); APG7 Autophagy 7-Like (S. Cerevisiae); Autophagy-Related Protein 7; APG7 Autophagy 7-Like; APG7-LIKE; APG7-Like; GSA7

Background

Gene Name: ATG7
NCBI Gene Entry: 10533
UniProt Entry: O95352

Application Information

Molecular Weight: Predicted, 78 kDa; observed, 70 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB1700
Species Reactivity: Human
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human ATG7

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.
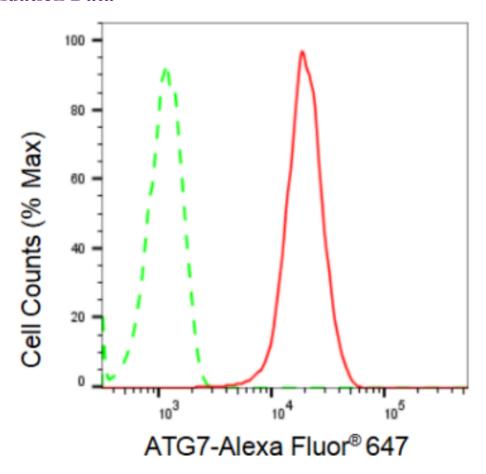
Recommended Dilutions

Western Blotting (WB): 1:1,000-1:50,000
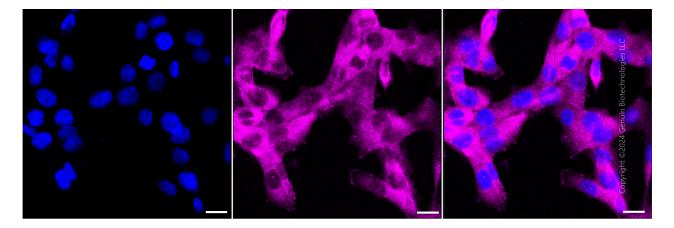Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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Note: This product is for research use only.
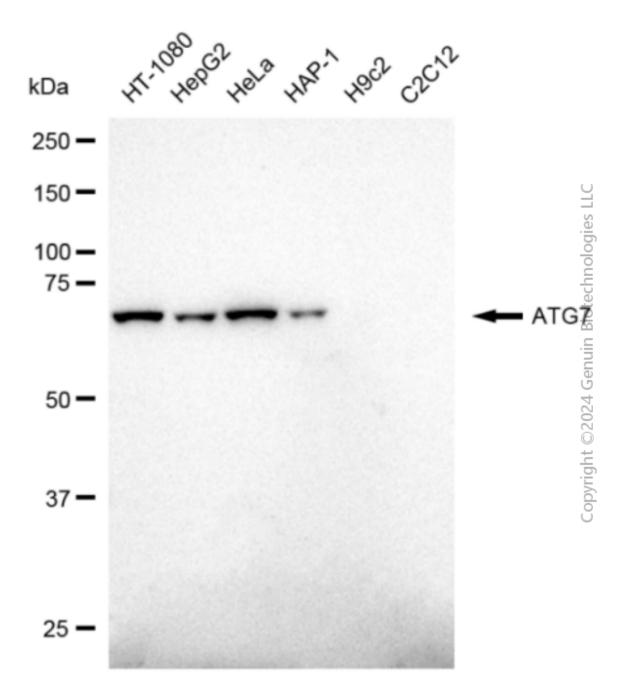
Validation Data

Flow cytometric analysis of ATG7 expression in HepG2 cells using ATG7 antibody (Cat#8737, 1:2,000). Green, isotype control; red, ATG7.

Immunocytochemical staining of HT-1080 cells with ATG7 antibody (Cat#8737, 1:1,000). Nuclei were stained blue with DAPI; ATG7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium.

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Scale bar: 20 μm.

Western blotting analysis using anti-ATG7 antibody (Cat#8737). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG7 antibody (Cat#8737, 1:50,000) 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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