KD-Validated Anti-ATG7 Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 61177

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: 24GB6075
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Atg7 (Apg7)

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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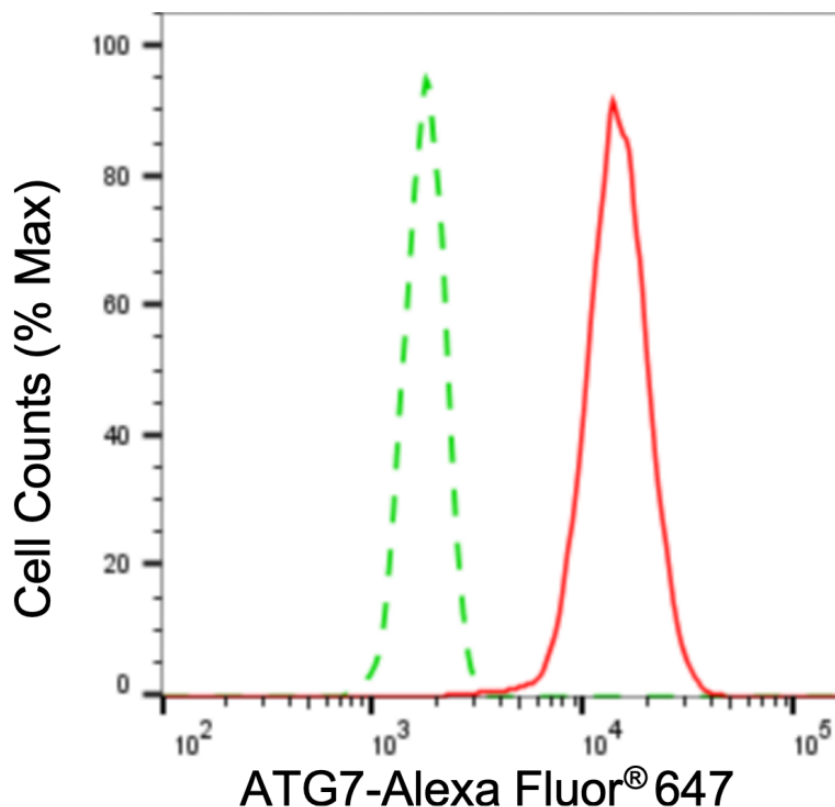SALES@GENUINBIOTECH.COM
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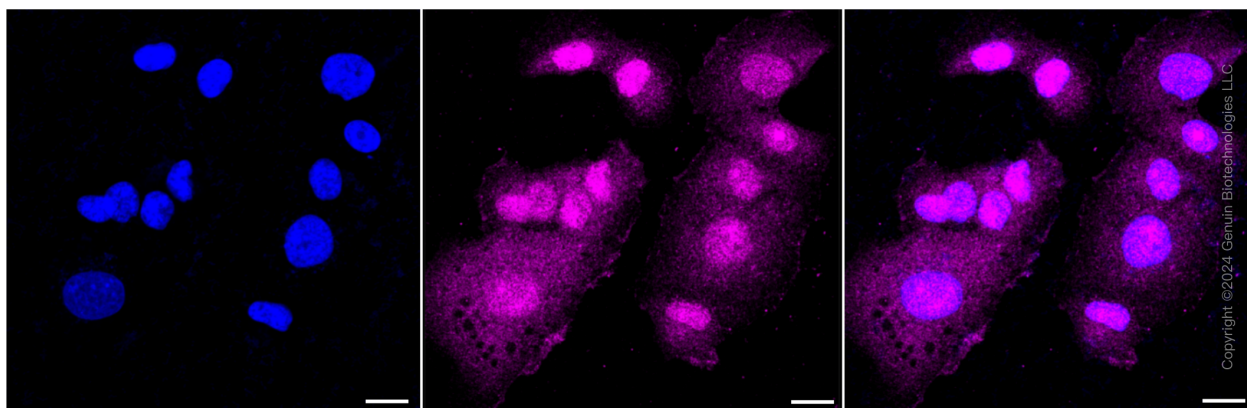# KD-Validated Anti-ATG7 Recombinant Rabbit Monoclonal Antibody

Note: This product is for research use only.

Validation Data

Flow cytometric analysis of ATG7 expression in HT-1080 cells using ATG7 antibody (Cat#61177, 1:2,000). Green, isotype control; red, ATG7.

Immunocytochemical staining of HT-1080 cells with ATG7 antibody (Cat#61177, 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. Scale bar: 20 μm.
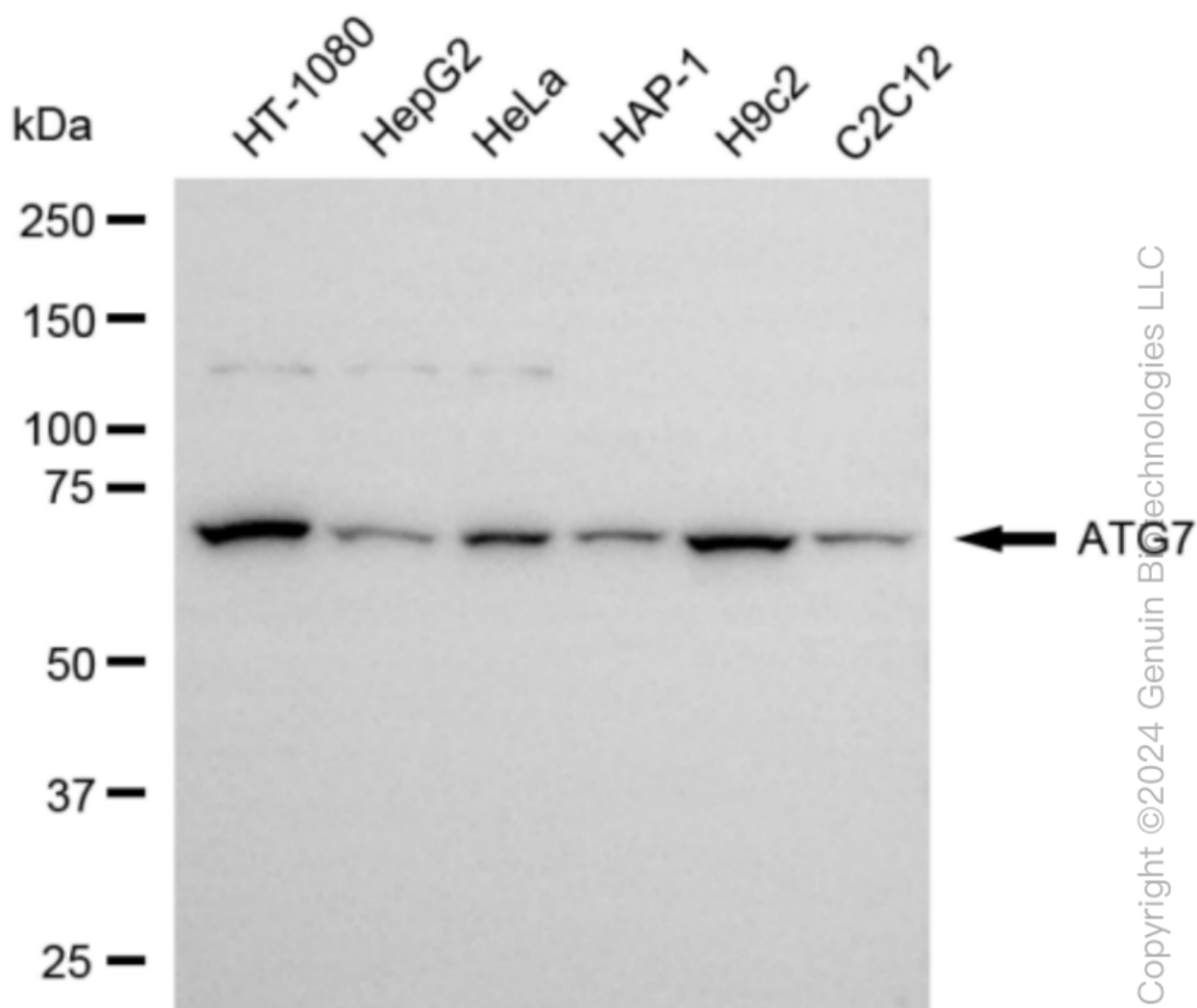

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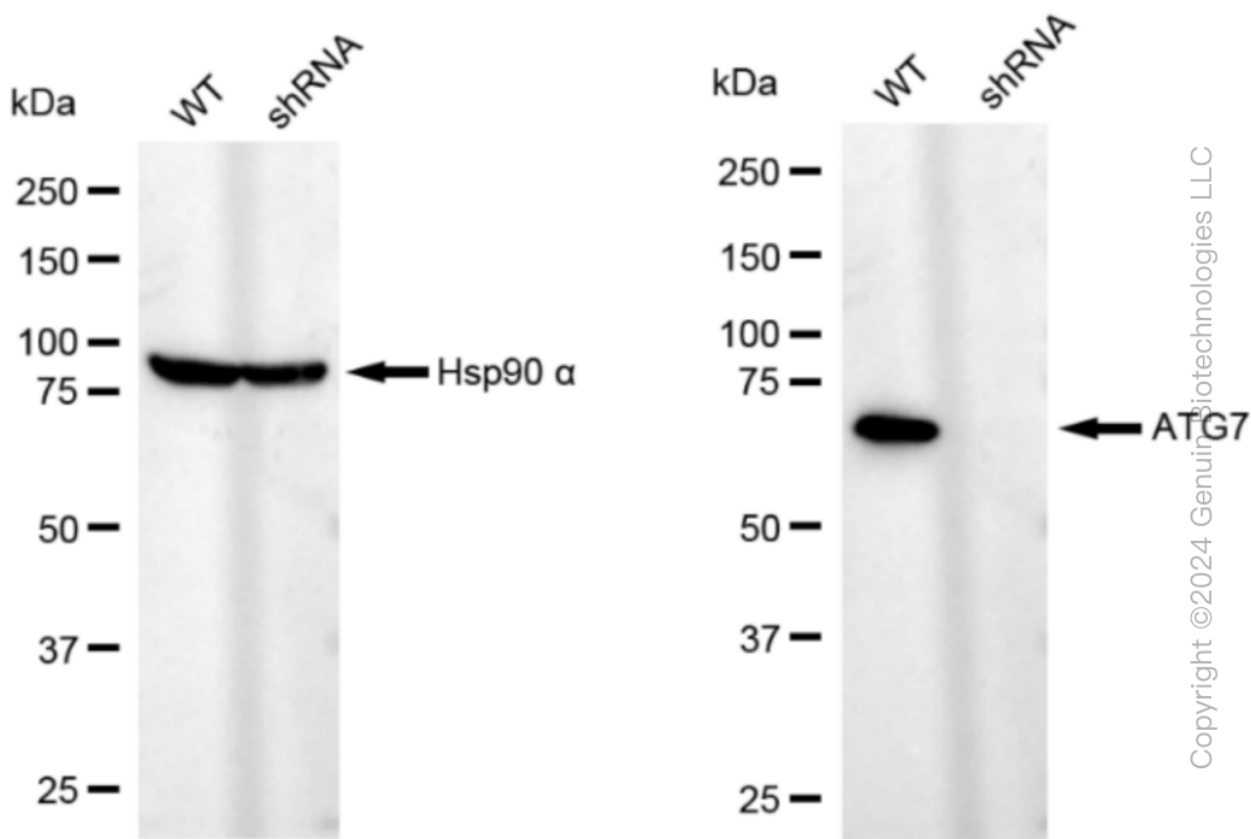SUPPORT@GENUINBIOTECH.COM
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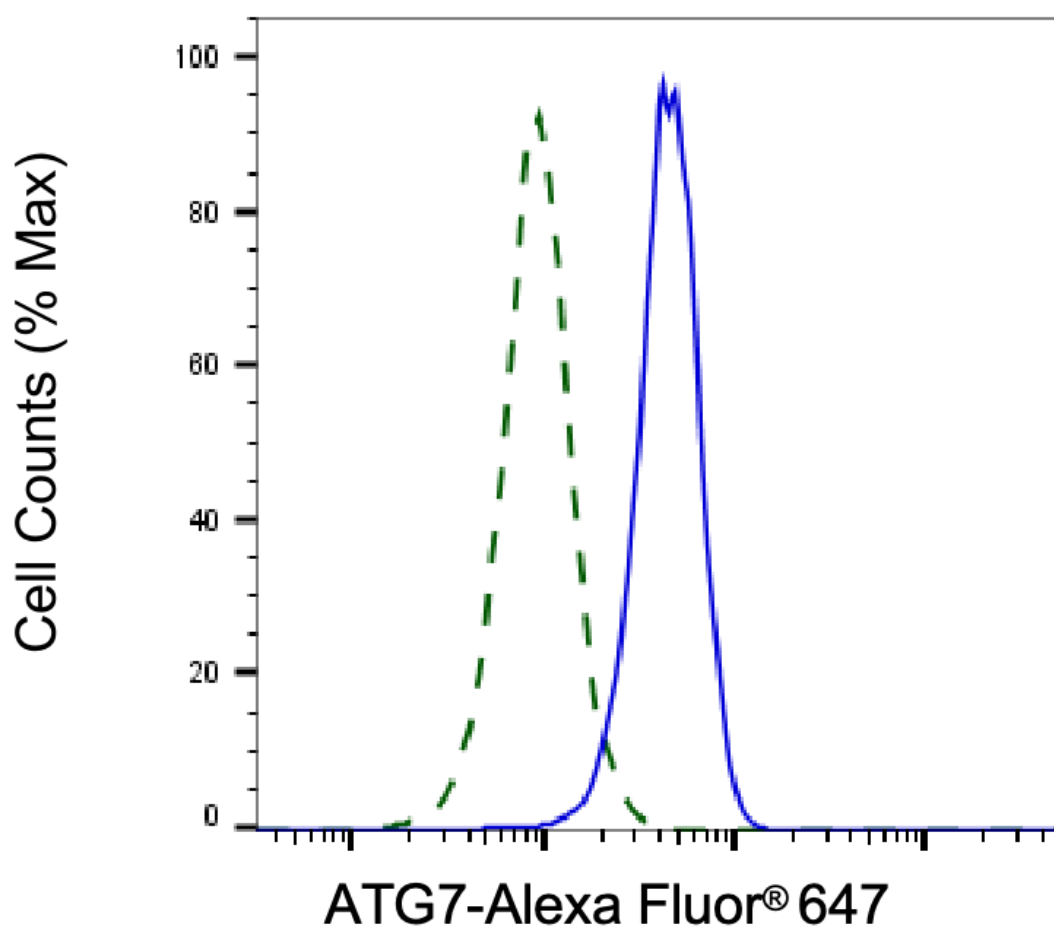
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Western blotting analysis using anti-ATG7 antibody (Cat#61177). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG7 antibody (Cat#61177, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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Western blotting analysis using anti-ATG7 antibody (Cat#61177). ATG7 expression in wild type (WT) and ATG7 shRNA knockdown (KD) 293T cells with 20 μg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ATG7 antibody (Cat#61177, 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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Validation of ATG7 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) 293T cells were stained with anti-ATG7 antibody (Cat#61177, 1:2,000) and analyzed using BD flow cytometer.