

KD-Validated Anti-Atg16L1 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61641

Aliases

ATG16L1; Autophagy Related 16 Like 1; ATG16A; APG16L; WDR30; Autophagy-Related Protein 16-1; FLJ10035; ATG16L; ATG16 Autophagy Related 16-Like 1 (S. Cerevisiae); ATG16 Autophagy Related 16-Like (S. Cerevisiae); APG16 Autophagy 16-Like (S. Cerevisiae); ATG16 Autophagy Related 16-Like 1; WD Repeat Domain 30; APG16-Like 1; APG16L Beta; IBD104C, Cysteine Peptidase; ATG4 Autophagy Related 4 Homolog C; AUT-Like 1, Cysteine; Endopeptidase; APG4 Autophagy 4 Homolog C; EC 3.4.22.-; EC 3.4.22; APG4-C

Background

Gene Name: ATG16L1

NCBI Gene Entry: [55054](#)

UniProt Entry: [Q676U5](#)

Application Information

Molecular Weight: Predicted, 68 kDa, observed, 68 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB665

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human ATG16L1

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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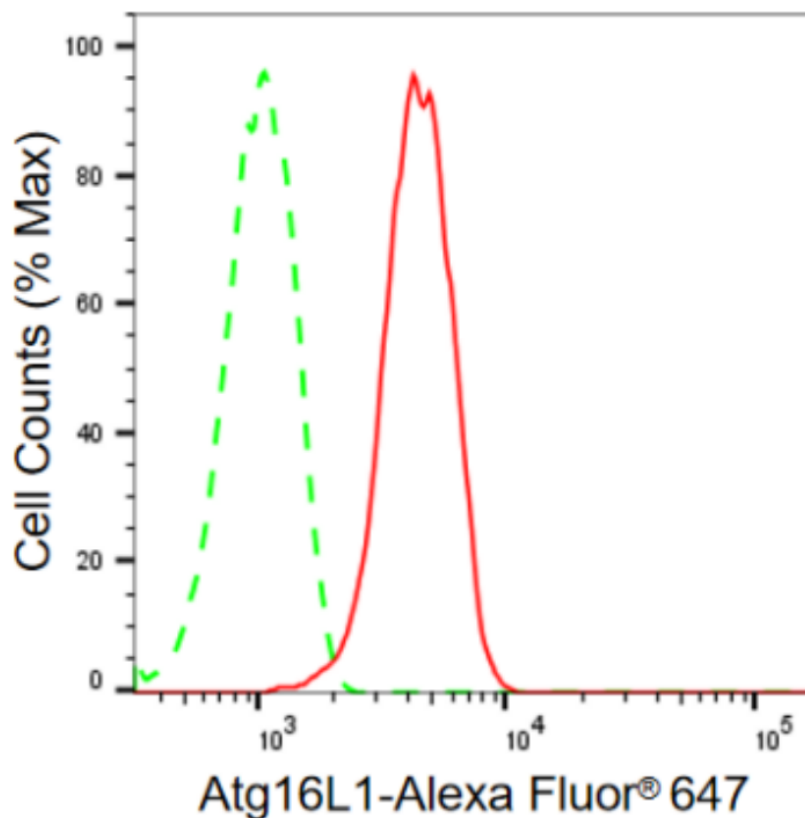
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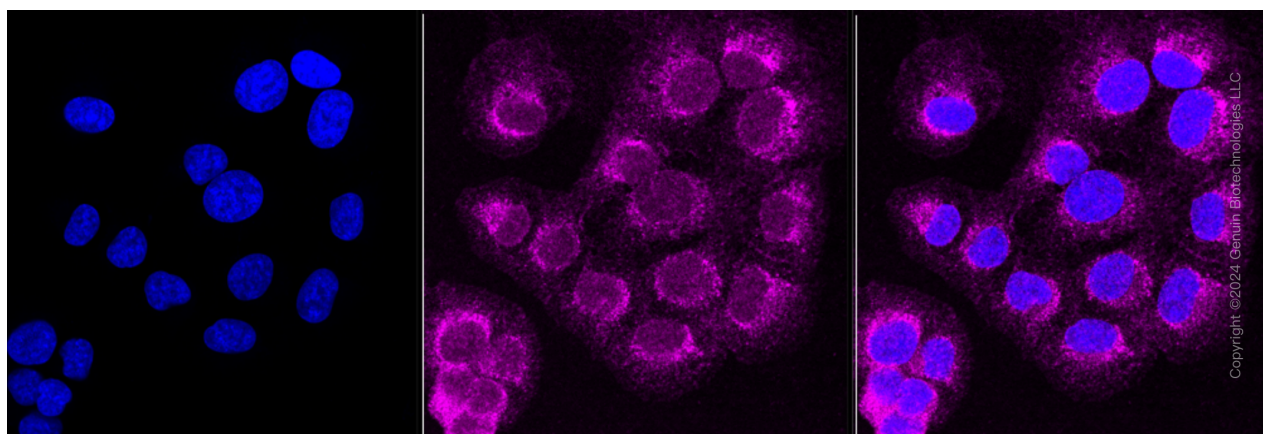
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Validation Data



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Flow cytometric analysis of Atg16L1 expression in HT-1080 cells using Atg16L1 antibody (Cat#61641, 1:2,000). Green, isotype control; red, Atg16L1.



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Immunocytochemical staining of HT-1080 cells with Atg16L1 antibody (Cat#61641, 1:1,000). Nuclei were stained blue with DAPI; Atg16L1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

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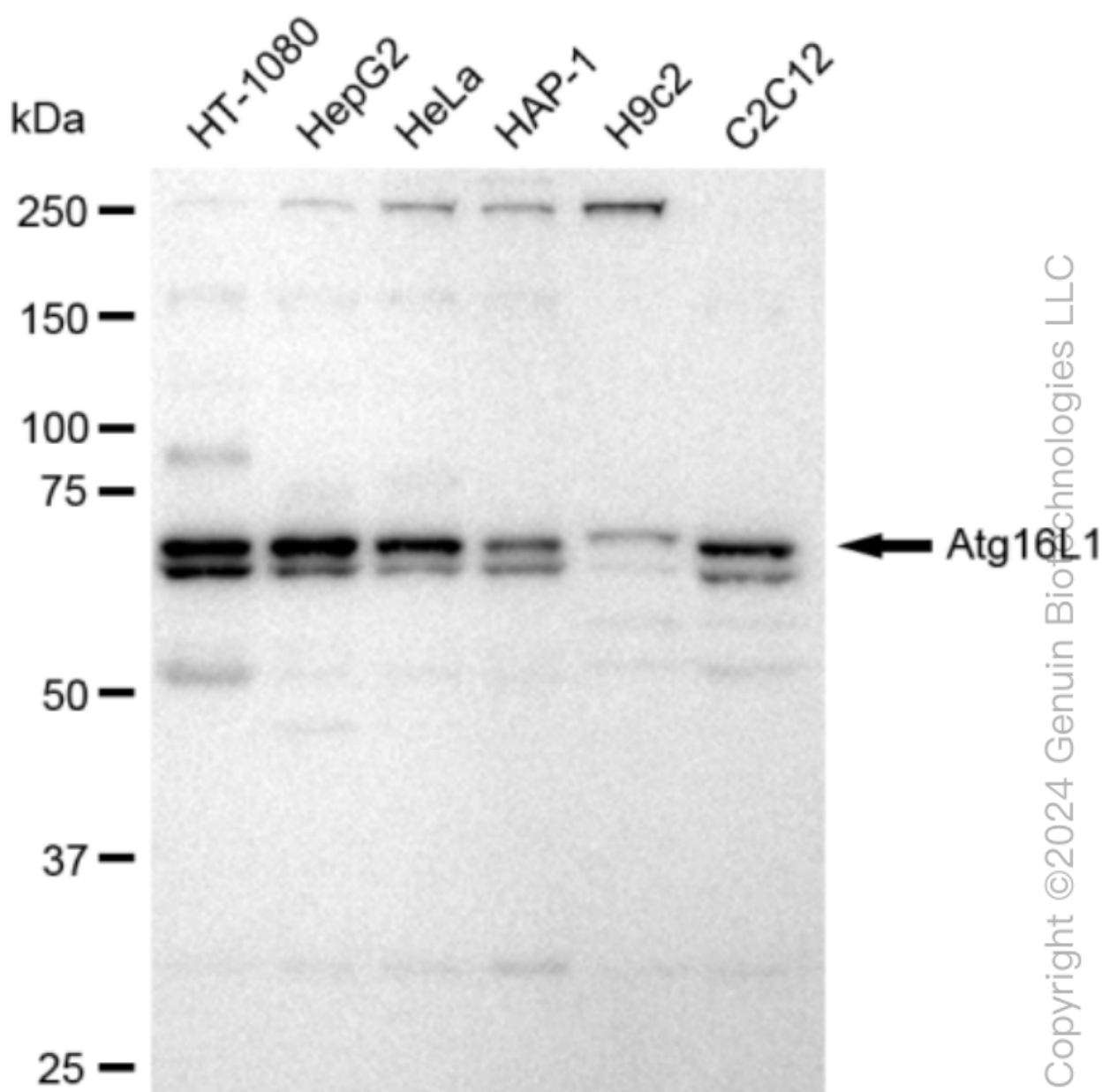
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gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-Atg16L1 antibody (Cat#61641). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Atg16L1 antibody (Cat#61641, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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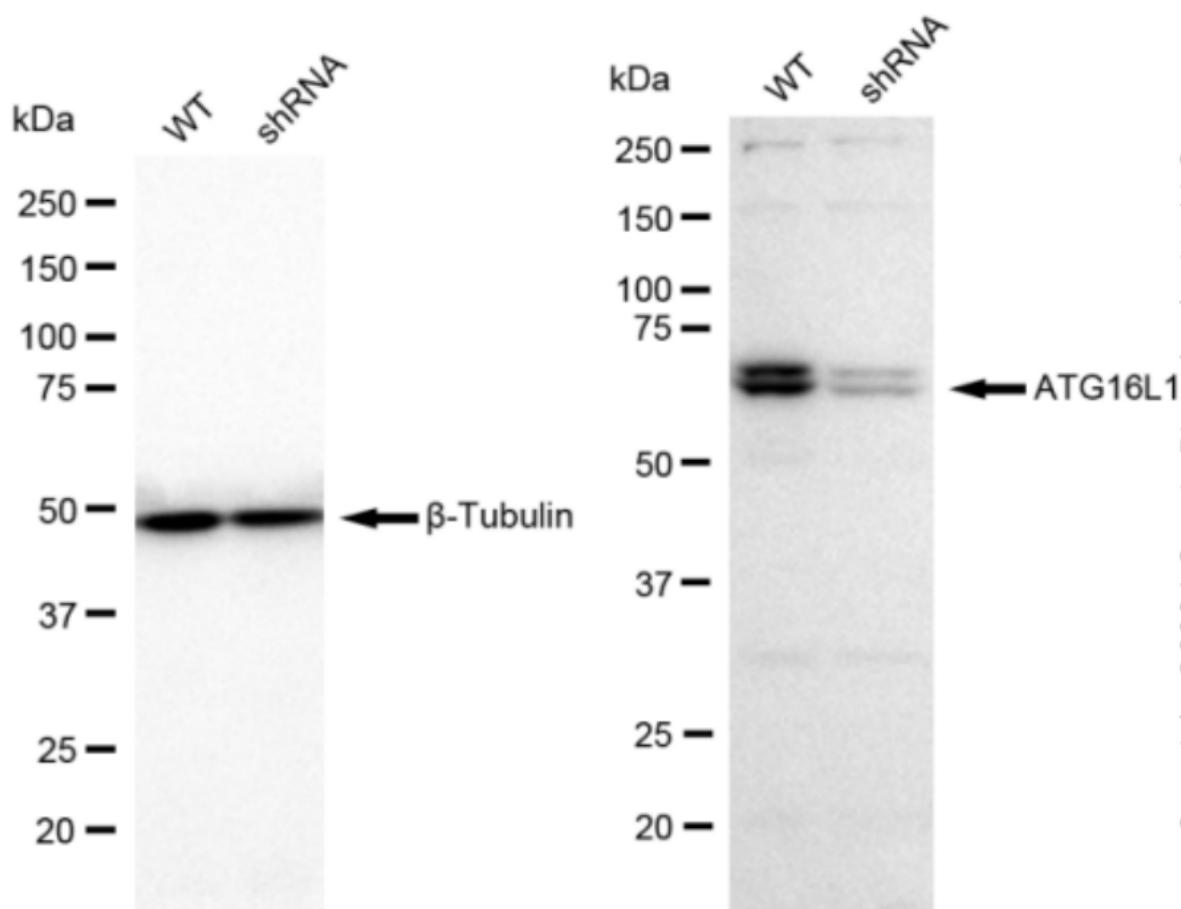
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Western blotting analysis using anti-Atg16L1 antibody (Cat#61641). Atg16L1 expression in wild type (WT) and Atg16L1 shRNA knockdown (KD) 293T cells with 30 μ g of Total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Atg16L1 antibody (Cat#61641, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (Cat#201, 1:50,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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