9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-ATG7 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1030

Product Overview

Name	KD-Validated Anti-ATG7 Rabbit Monoclonal Antibody
Accession(Primary)	O95352
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ATG7
Species Reactivity	Human
Calculated MW	Predicted, 78 kDa, observed, 70 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:10,000-1:50,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (O95352)

Gene Name	ATG7
About Gene Symbol	ATG7 (Autophagy Related 7) is an autophagy regulatory protein involved in autophagy and ubiquitin-proteasome pathway. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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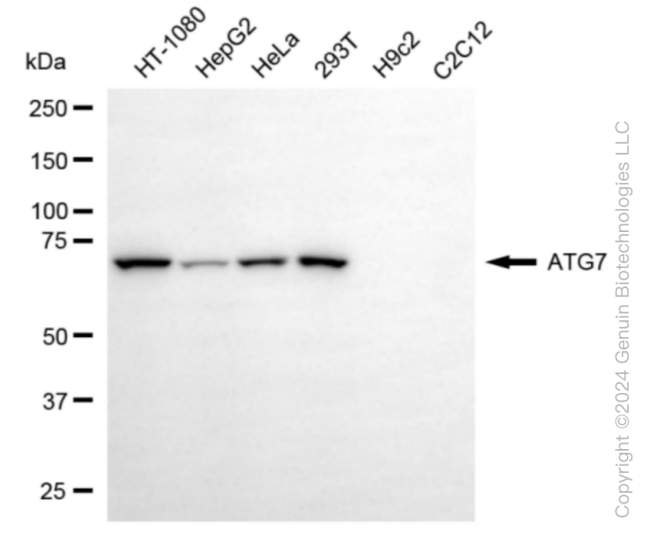
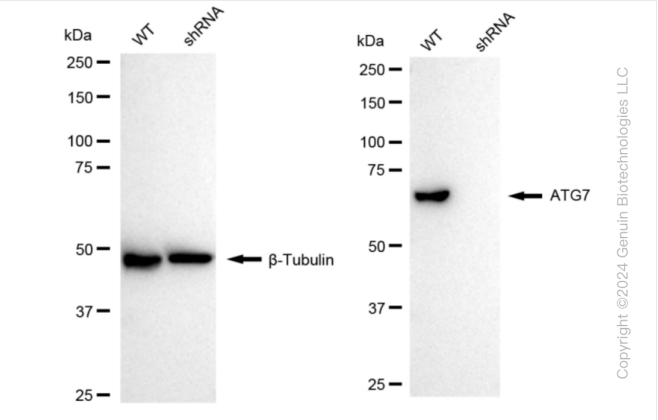
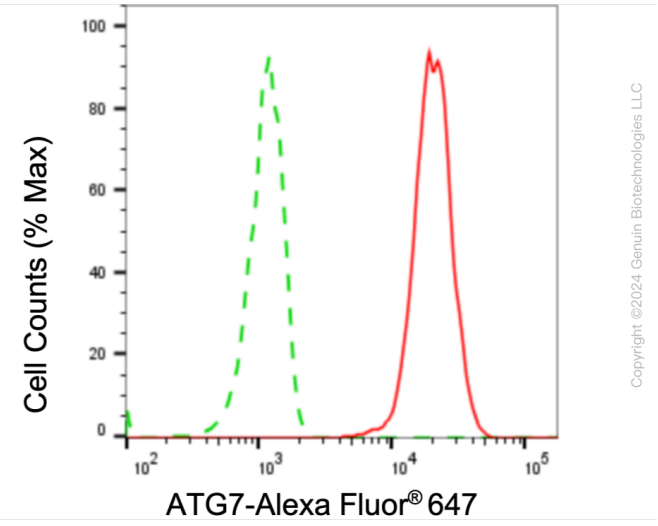


Western blotting analysis using anti-ATG7 antibody (Cat#ABG1030). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG7 antibody (Cat#ABG1030, 1:50,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ATG7 antibody (Cat#ABG1030). 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#ABG1030, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ATG7 expression in HepG2 cells using ATG7 antibody (Cat#ABG1030, 1:2,000). Green, isotype control; red, ATG7.

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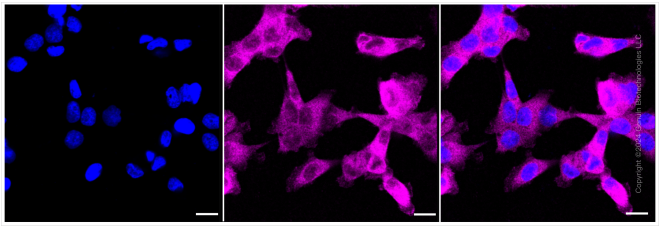

Immunocytochemical staining of HT-1080 cells with ATG7 antibody (Cat#ABG1030, 1:1,000). Nuclei were stained blue with DAPI; ATG7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.