

KD-Validated Anti-ATG7 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

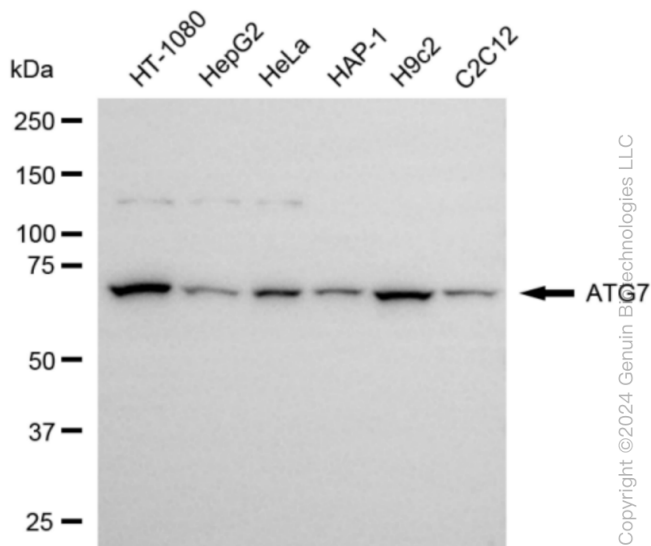
ABG1057

Product Overview

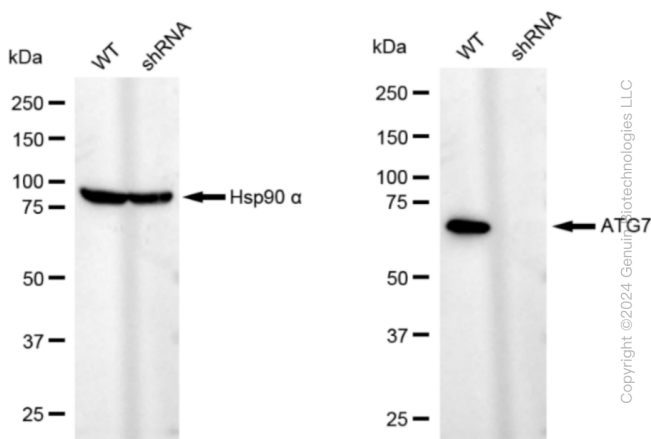
Name	KD-Validated Anti-ATG7 Rabbit Monoclonal Antibody
Accession(Primary)	O95352
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Atg7 (Apg7)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 78 kDa, observed, 70 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (O95352)

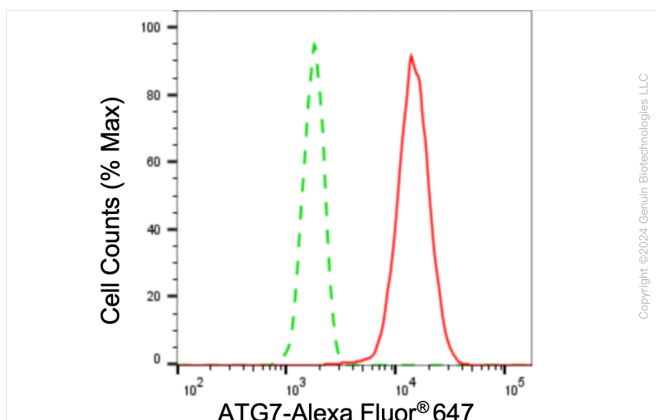
Gene Name	ATG7
About Gene Symbol	ATG7 (Autophagy Related 7) is an autophagy regulatory protein involved in autophagy and ubiquitin-proteasome pathway. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms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



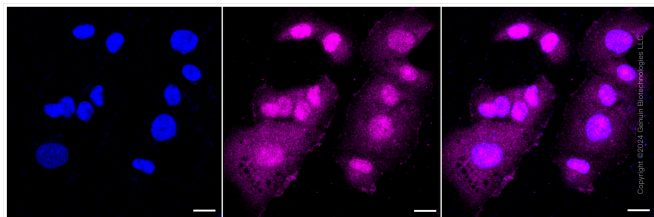
Western blotting analysis using anti-ATG7 antibody (Cat#ABG1057). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG7 antibody (Cat#ABG1057, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ATG7 antibody (Cat#ABG1057). ATG7 expression in wild type (WT) and ATG7 shRNA knockdown (KD) 293T cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-ATG7 antibody (Cat#ABG1057, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ATG7 expression in HT-1080 cells using ATG7 antibody (Cat#ABG1057, 1:2,000). Green, isotype control; red, ATG7.



Immunocytochemical staining of HT-1080 cells with ATG7 antibody (Cat#ABG1057, 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 μ m.