

KD-Validated Anti-Atg16L1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

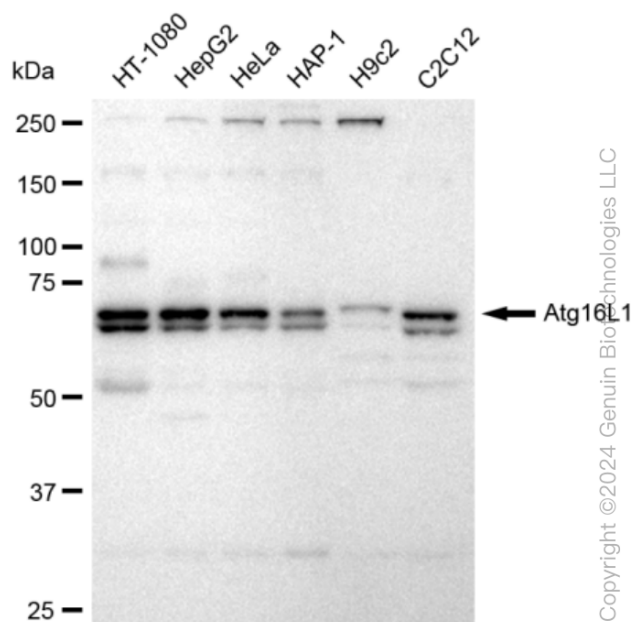
ABG1364

Product Overview

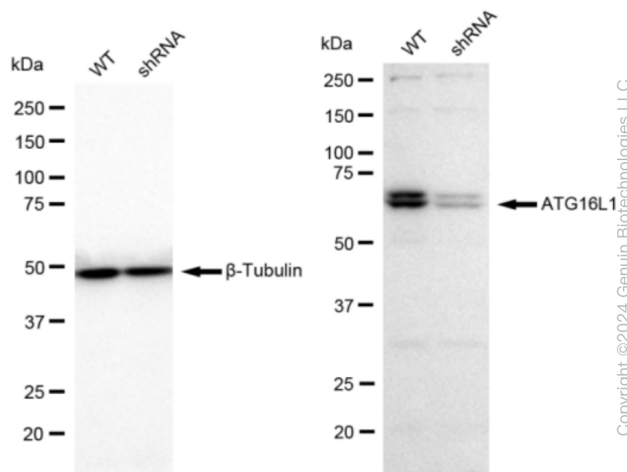
Name	KD-Validated Anti-Atg16L1 Rabbit Monoclonal Antibody
Accession(Primary)	Q676U5
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ATG16L1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 68 kDa , observed, 68 kDa
Storage Buffer	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 immunocytochemical(IC): 1:1,000 flow Cytometry (FCM): 1:2,000

Target information (Q676U5)

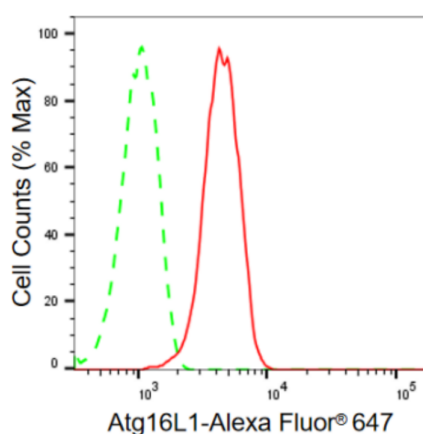
Gene Name	ATG16L1
About Gene Symbol	ATG16L1 (Autophagy Related 16 Like 1) is a protease enzyme involved in autophagy. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



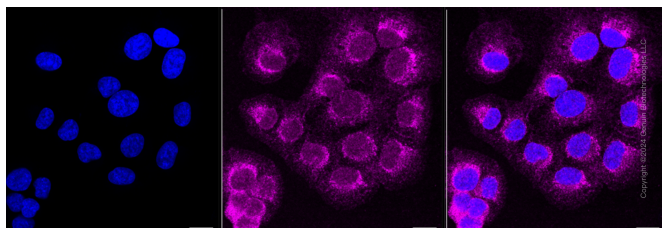
Western blotting analysis using anti-Atg16L1 antibody (Cat#ABG1364). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Atg16L1 antibody (Cat#ABG1364, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-Atg16L1 antibody (Cat#ABG1364). Atg16L1 expression in wild type (WT) and Atg16L1 shRNA knockdown (KD) 293T cells with 30 µg of Total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Atg16L1 antibody (Cat#ABG1364, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Flow cytometric analysis of Atg16L1 expression in HT-1080 cells using Atg16L1 antibody (Cat#ABG1364, 1:2,000). Green, isotype control; red, Atg16L1.



Immunocytochemical staining of HT-1080 cells with Atg16L1 antibody (Cat#ABG1364, 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 gain: Medium. Scale bar: 20 μ m.