

KD-Validated Anti-ATG5 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

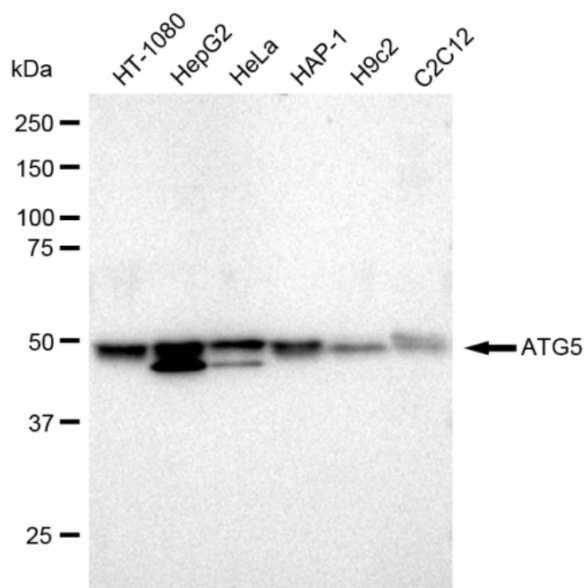
ABG1424

Product Overview

Name	KD-Validated Anti-ATG5 Rabbit Monoclonal Antibody
Accession(Primary)	Q9H1Y0
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ATG5
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 32 kDa , observed, 50 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): 1:1,000

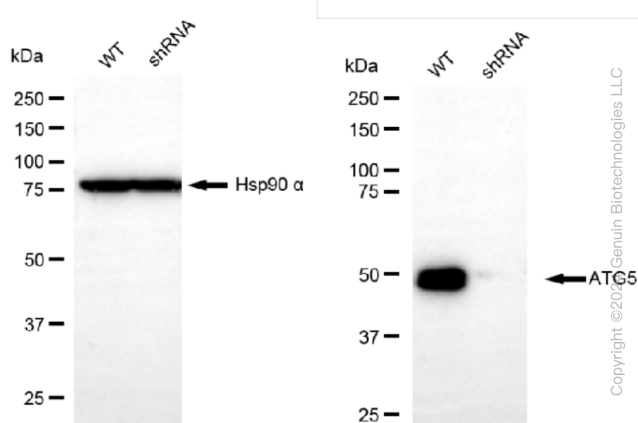
Target information (Q9H1Y0)

Gene Name	ATG5
About Gene Symbol	ATG5 (Autophagy Related 5) is an autophagy regulatory protein involved in autophagy and apoptosis. 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.



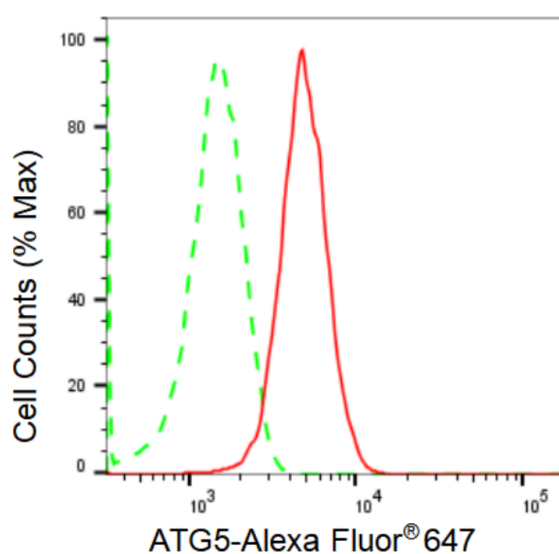
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Western blotting analysis using anti-ATG5 antibody (Cat#ABG1424). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG5 antibody (Cat#ABG1424, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



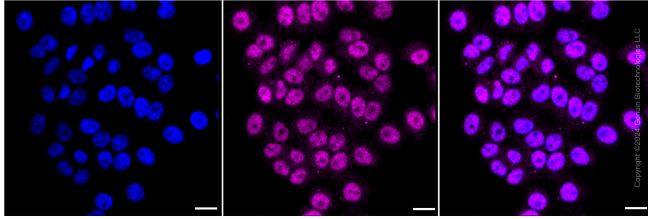
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Western blotting analysis using anti-ATG5 antibody (Cat#ABG1424). ATG5 expression in wild type (WT) and ATG5 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ATG5 antibody (Cat#ABG1424, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of ATG5 expression in HepG2 cells using ATG5 antibody (Cat#ABG1424, 1:2,000). Green, isotype control; red, ATG5.



Immunocytochemical staining of HepG2 cells with ATG5 antibody (Cat#ABG1424, 1:1,000). Nuclei were stained blue with DAPI; ATG5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.