

KD-Validated Anti-ATG4B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

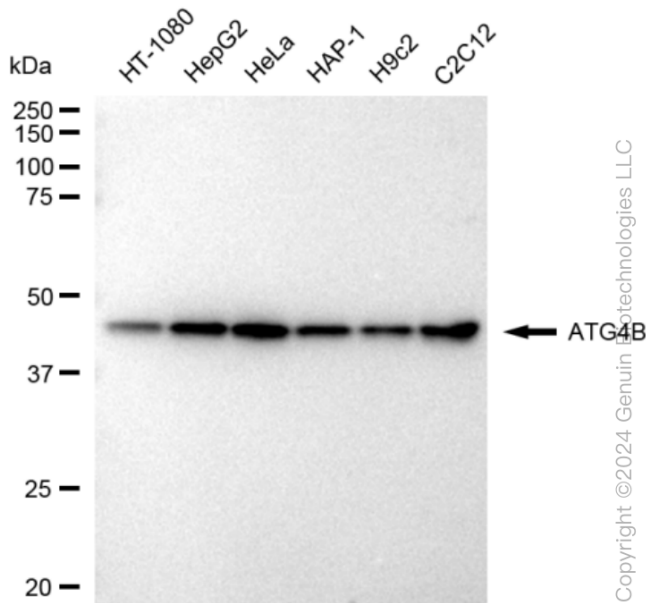
ABG1322

Product Overview

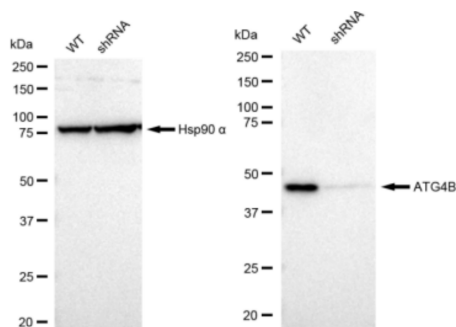
Name	KD-Validated Anti-ATG4B Rabbit Monoclonal Antibody
Accession(Primary)	Q9Y4P1
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Atg4B
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 44 kDa , observed, 44 kDa
Storage Buffer	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 (Q9Y4P1)

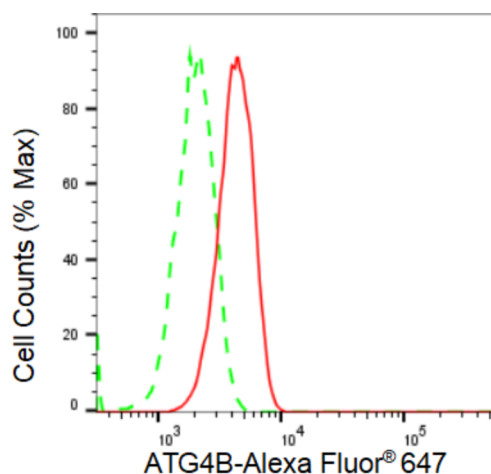
Gene Name	ATG4B
About Gene Symbol	ATG4B (Autophagy Related 4B Cysteine Peptidase) is a protease enzyme involved in autophagy. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify



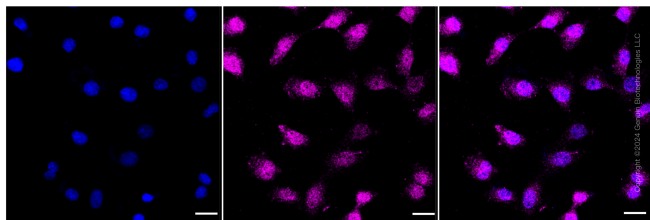
Western blotting analysis using anti-ATG4B antibody (Cat#ABG1322). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATG4B antibody (Cat#ABG1322, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ATG4B antibody (Cat#ABG1322). ATG4B expression in wild type (WT) and ATG4B 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-ATG4B antibody (Cat#ABG1322, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ATG4B expression in C2C12 cells using ATG4B antibody (Cat#ABG1322, 1:2000). Green, isotype control; red, ATG4B.



Immunocytochemical staining of C2C12 cells with ATG4B antibody (Cat#ABG1322, 1:1,000). Nuclei were stained blue with DAPI; ATG4B 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.