
Product Name: KD-Validated Atg16L1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01357

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 68.3kDa

Antigen Information

Gene Name	ATG16L1
Alternative Names	ATG16L1; Autophagy Related 16 Like 1; ATG16A; APG16L; WDR30; Autophagy-Related Protein 16-1; FLJ10035; ATG16L; ATG16 Autophagy Related 16-Like 1 (S. Cerevisiae); ATG16 Autophagy Related 16-Like (S. Cerevisiae); APG16 Autophagy 16-Like (S. Cerevisiae); ATG16 Autophagy Related 16-Like 1; WD Repeat Domain 30; APG16-Like 1; APG16L Beta; IBD104C, Cysteine Peptidase; ATG4 Autophagy Related 4 Homolog C; AUT-Like 1, Cysteine; Endopeptidase; APG4 Autophagy 4 Homolog C; EC 3.4.22.-; EC 3.4.22; APG4-C
Gene ID	55054.0
SwissProt ID	Q676U5
Immunogen	A synthesized peptide derived from human ATG16L1

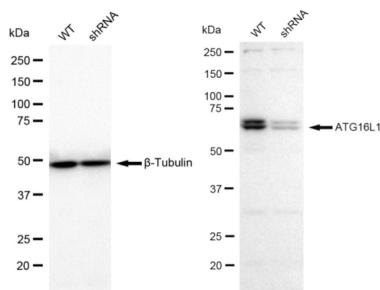
Background

The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2010]

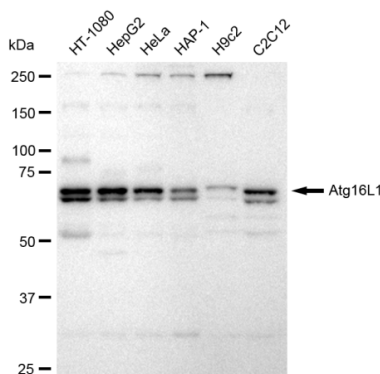
Research Area

Cell Biology, Neuroscience, Cancer, Cardiovascular, Metabolism

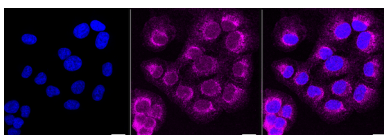
Image Data



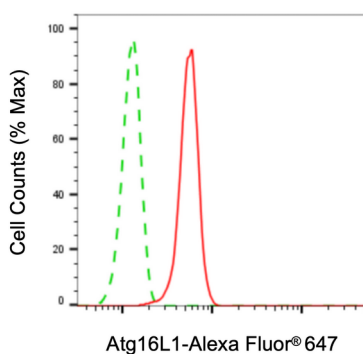
Western blotting analysis using Atg16L1 antibody (KVA01357). Atg16L1 expression in wild type (WT) and Atg16L1 shRNA knockdown (KD) 293T cells with 30 µg of Total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Atg16L1 antibody (KVA01357, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Atg16L1 antibody (KVA01357). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Atg16L1 antibody (KVA01357, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Atg16L1 antibody (KVA01357, 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 µm.



Flow cytometric analysis of Atg16L1 expression in HT-1080 cells using Atg16L1 antibody (KVA01357, 1:2,000). Green, isotype control; red, Atg16L1.

