

Product Name: KD-Validated ATG5 Rabbit Polyclonal Antibody**Catalog #: KVA00443**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
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 1:200-1:1,000
Molecular Weight	Calculated MW: 32.4kDa

Antigen Information

Gene Name	ATG5
Alternative Names	ATG5; Autophagy Related 5; ASP; HAPG5; APG5L; APG5; Apoptosis-Specific Protein; Autophagy Protein 5; ATG5 Autophagy Related 5 Homolog (S. Cerevisiae); APG5 (Autophagy 5, S. Cerevisiae)-Like; APG5 Autophagy 5-Like (S. Cerevisiae); ATG5 Autophagy Related 5 Homolog; APG5 Autophagy 5-Like; APG5-LIKE; APG5-Like; SCAR25
Gene ID	9474.0
SwissProt ID	Q9H1Y0
Immunogen	A synthesized peptide derived from human ATG5

Background

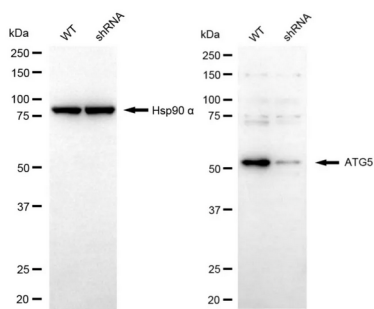
The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a

ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

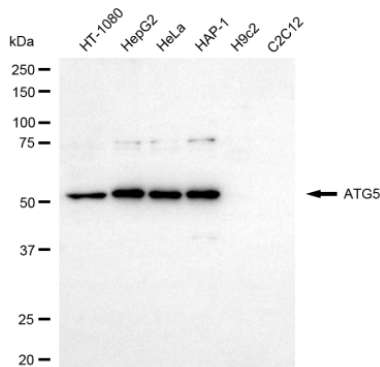
Research Area

Cell Biology, Cardiovascular, Cancer, Metabolism, Neuroscience

Image Data



Western blotting analysis using ATG5 antibody (KVA00443). 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 ATG5 antibody (KVA00443, 1:1,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ATG5 antibody (KVA00443). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ATG5 antibody (KVA00443, 1:1,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.