

Rabbit ATG3 Polyclonal Antibody | anti-ATG3 antibody

ATG3 Antibody (C-term)

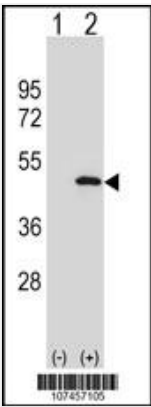
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289395	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

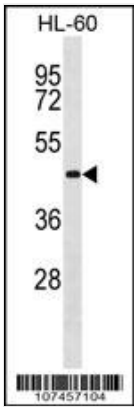
ATG3; Polyclonal Antibody; ATG3 Antibody (C-term); Ubiquitin-like-conjugating enzyme ATG3; 632-; Autophagy-related protein 3; APG3-like; hApp3; Protein PC3-96; APG3; APG3L; anti-ATG3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-112 amino acids from the C-terminal region of human ATG3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	83-112
Sequence Length	311
Applicable Applications for anti-ATG3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of APG3L (arrow) using rabbit polyclonal APG3L Antibody (I98). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the APG3L gene.



WB (Western Blot)
APG3L Antibody (I98) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the APG3L antibody detected the APG3L protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ATG3 antibody	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). APG3L is an E2-like conjugating enzyme facilitating covalent binding of APG8 (MAP1LC3) to phosphatidylethanolamine (PE). APG7 (an E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with APG3. Formation of the PE conjugate is essential for autophagy.
Product Categories/Family for anti-ATG3 antibody	Cancer; Cardiovascular; Cell Biology; Metabolism; Neuroscience
References	Baehrecke EH. Nat Rev Mol Cell Biol. 6(6):505-10. (2005) Lum JJ, et al. Nat Rev Mol Cell Biol. 6(6):439-48. (2005) Greenberg JT. Dev Cell. 8(6):799-801. (2005) Levine B. Cell. 120(2):159-62. (2005) Shintani T and Klionsky DJ. Science. 306(5698):990-5. (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	523704487
NCBI GeneID	64422
NCBI Accession #	NP_001265641.1; NP_071933.2
NCBI GenBank Nucleotide #	NM_001278712.1
UniProt Accession #	Q9NT62; Q6PKC5; Q9H6L9
Molecular Weight	35864
NCBI Official Full Name	ubiquitin-like-conjugating enzyme ATG3 isoform 2
NCBI Official Synonym Full Names	autophagy related 3
NCBI Official Symbol	ATG3
NCBI Official Synonym Symbols	APG3; APG3L; PC3-96; APG3-LIKE

NCBI Protein Information	ubiquitin-like-conjugating enzyme ATG3
UniProt Protein Name	Ubiquitin-like-conjugating enzyme ATG3
UniProt Gene Name	ATG3
UniProt Synonym Gene Names	APG3; APG3L; APG3-like; hApg3
UniProt Entry Name	ATG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/atg3-antibody-western-blot-elisa/289395>