# Rabbit APG10L Polyclonal Antibody | anti-ATG10 antibody

APG10L Antibody (C-term S116)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA287874** | **Rabbit** | **Human (Predicted Reactivity: Mouse)** | **Immunohistochemistry, ELISA, Western Blot** |

## PRODUCT SYNONYMS

APG10L; Polyclonal Antibody; APG10L Antibody (C-term S116); Ubiquitin-like-conjugating enzyme ATG10; 632-; Autophagy-related protein 10; APG10-like; ATG10; anti-ATG10 antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Rabbit |
| **Reactivity** | Human (Predicted Reactivity: Mouse) |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit Ig |
| **Specificity** | This APG10L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-121 amino acids from the C-terminal region of human APG10L. |
| **Purity/Purification** | Peptide Affinity 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** | 96-121 |
| **Sequence Length** | 125 |
| **Applicable Applications for anti-ATG10 antibody** | IHC (Immunohistochemistry), 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. |

## IMAGES

**IHC (Immunohistochemisry)**
APG10L Antibody (C-term S116) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ANKS1B APG10L Antibody (C-term S116) for immunohistochemistry. Clinical relevance has not been evaluated.

**WB (Western Blot)**
Western blot analysis of APG10L (arrow) using rabbit polyclonal APG10L Antibody (C-term S116). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the APG10L gene.

**WB (Western Blot)**
APG10L Antibody (C-term S116) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the APG10L antibody detected the APG10L protein (arrow).

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-ATG10 antibody** | Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]). |
| **Product Categories/Family for anti-ATG10 antibody** | Cancer; Cardiovascular; Cell Biology; Metabolism; Neuroscience; Phospho Antibodies |
| **References** | Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Criollo, A., et al. Cell Death Differ. 14(5):1029-1039(2007)<br>Shao, Y., et al. Autophagy 3(1):10-16(2007)<br>Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :<br>Boya, P., et al. Mol. Cell. Biol. 25(3):1025-1040(2005) |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 196162717 |
| **NCBI GeneID** | 83734 |
| **NCBI Accession #** | NP_001124500.1; NP_113670.1 |
| **NCBI GenBank Nucleotide #** | NM_001131028.1 |
| **UniProt Accession #** | Q9H0Y0; Q6PIX1; Q9H842; B2RE09 |
| **Molecular Weight** | 25279 |
| **NCBI Official Full Name** | ubiquitin-like-conjugating enzyme ATG10 |
| **NCBI Official Synonym Full Names** | autophagy related 10 |
| **NCBI Official Symbol** | ATG10 |
| **NCBI Official Synonym Symbols** | APG10; APG10L; pp12616 |
| **NCBI Protein Information** | ubiquitin-like-conjugating enzyme ATG10 |
| **UniProt Protein Name** | Ubiquitin-like-conjugating enzyme ATG10 |
| **UniProt Gene Name** | **ATG10** |
| **UniProt Synonym Gene Names** | APG10L; APG10-like |
| **UniProt Entry Name** | ATG10_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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/apg10l-antibody-immunohistochemistry-western-blot-elisa/287874