

Rabbit anti-Human ATG16 Polyclonal Antibody | anti-ATG16 antibody

ATG16 Antibody

CATALOG # AAA302196	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

ATG16; Polyclonal Antibody; ATG16 Antibody; Autophagy protein 16; Autophagy related protein 16; ATG16L; APG16; anti-ATG16 antibody

PRODUCT SPECIFICATIONS

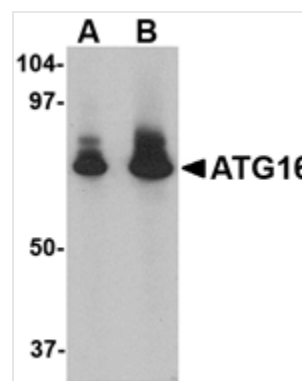
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	607
Applicable Applications for anti-ATG16 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the amino terminus of human ATG16.
Target Name	ATG16
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of ATG16 in HeLa cells with ATG16 antibody at 2 ug/mL.



WB (Western Blot)

Western blot analysis of ATG16 in HeLa cell lysate with ATG16 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG16 antibody	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1. ATG16, another member of the autophagy protein family, forms a complex with the ATG5-ATG12 conjugate. This multimeric protein has been shown to be essential for autophagosome formation in both yeast and mammals and targets the ATG5-ATG12 complex to the autophagic isolation membrane during the formation of the autophagosome. Because mammalian ATG16 has seven WD-repeats in its C-terminal domain, it has been suggested that these may form a platform for further protein-protein interactions. Multiple isoforms of ATG16 are known to exist.
Product Categories/Family for anti-ATG16 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	124256480
NCBI GeneID	55054
NCBI Accession #	NP_110430
NCBI GenBank Nucleotide #	NM_030803.6
Molecular Weight	49,486 Da
NCBI Official Full Name	autophagy-related protein 16-1 isoform 1
NCBI Official Synonym Full Names	autophagy related 16-like 1
NCBI Official Symbol	ATG16L1
NCBI Official Synonym Symbols	IBD10; WDR30; APG16L; ATG16A; ATG16L
NCBI Protein Information	autophagy-related protein 16-1
UniProt Protein Name	Autophagy-related protein 16-1
UniProt Gene Name	ATG16L1
UniProt Synonym Gene Names	APG16L
UniProt Entry Name	A16L1_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/atg16-antibody-immunocytochemistry-western-blot-elisa/302196>