Rabbit ATG16 Polyclonal Antibody | anti-ATG16L1 antibody

ATG16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40047	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

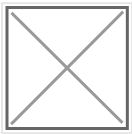
ATG16; Polyclonal Antibody; ATG16 Antibody; IBD10; WDR30; APG16L; ATG16A; ATG16L; UNQ9393/PRO34307; Autophagy-related protein 16-1; APG16-like 1; ATG16 autophagy related 16-like 1 (S. cerevisiae); anti-ATG16L1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	ATG16 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	607
Applicable Applications for anti-ATG16L1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATG16 antibody was raised against a 18 amino acid synthetic peptide from near the center of human ATG16.
Buffer	ATG16 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATG16 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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

IF (Immunofluorescence)
Immunofluorescence of ATG16 in Hela cells with ATG16 antibody at 4 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of ATG16 in HeLa cells with ATG16 antibody at 2 μg/mL.

WB (Western Blot)
Western blot analysis of ATG16 in HeLa cell lysate with ATG16 antibody at (A) 0.25 and (B) 0.5 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG16L1 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124256480
NCBI GeneID	55054
NCBI Accession #	NP_110430
NCBI GenBank Nucleotide #	NM_030803.6
UniProt Accession #	Q676U5; Q6IPN1; Q6UXW4; Q6ZVZ5; Q8NCY2; Q96JV5; Q9H619; A3EXK9; A3EXL0; B6ZDH0
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 (S. cerevisiae)
NCBI Official Symbol	ATG16L1
NCBI Official Synonym Symbols	IBD10; WDR30; APG16L; ATG16A; ATG16L
NCBI Protein Information	autophagy-related protein 16-1; APG16L beta; WD repeat domain 30; ATG16 autophagy related 16-like 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/atg16-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40047