

Rabbit anti-Human, Mouse ATG16L1 Polyclonal Antibody | anti-ATG16L1 antibody

ATG16L1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324500	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ATG16L1; Polyclonal Antibody; ATG16L1 Antibody; A16L1_HUMAN; APG16 like 1; APG16-like 1; APG16L; APG16L beta; ATG16 autophagy related 16 like 1; ATG16 autophagy related 16-like 1 (S. cerevisiae); ATG16A; ATG16L; Atg16l1; Autophagy related protein 16 1; Autophagy-related protein 16-1; FLJ00045; FLJ10035; FLJ10828; FLJ22677; IBD10; OTTHUMP00000164391; OTTHUMP00000164393; OTTHUMP00000165876; OTTHUMP00000165877; WD repeat domain 30; WDR30; anti-ATG16L1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ATG16L1 antibody detects endogenous levels of total ATG16L1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ATG16L1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATG16L1, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



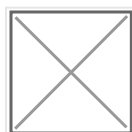
IF (Immunofluorescence)

AAA324500 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using ATG16L1 Antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using ATG16L1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG16L1 antibody	Function: Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal membrane (PubMed:24553140, PubMed:23376921, PubMed:24954904, PubMed:27273576, PubMed:23392225). Regulates mitochondrial antiviral signaling (MAVS)-dependent type I interferon (IFN-I) production (PubMed:25645662). Negatively regulates NOD1-and NOD2-driven inflammatory cytokine response (PubMed:24238340). Instead, promotes with NOD2 an autophagy-dependent antibacterial pathway (PubMed:20637199). Plays a role in regulating morphology and function of Paneth cell (PubMed:18849966). S Similarity: Belongs to the WD repeat ATG16 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	298229005
NCBI GeneID	55054
NCBI Accession #	NP_001177195.1
NCBI GenBank Nucleotide #	NM_001190266.1
UniProt Accession #	Q676U5; Q6IPN1; Q6UXW4; Q6ZVZ5; Q8NCY2; Q96JV5; Q9H619; A3EXK9; A3EXL0; B6ZDH0
Molecular Weight	69 KD
NCBI Official Full Name	autophagy-related protein 16-1 isoform 4
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

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.