

Mouse anti-Human ATG16L1 Monoclonal Antibody | anti-ATG16L1 antibody

ATG16L1 Antibody

CATALOG # AAA283542	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ATG16L1; Monoclonal Antibody; ATG16L1 Antibody; Autophagy-related protein 16-1; APG16-like 1; APG16L; anti-ATG16L1 antibody

PRODUCT SPECIFICATIONS

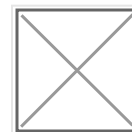
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1?
Clone Number	54CT27.2.6
Specificity	Purified His-tagged ATG16L1 protein(Fragment) was used to produced this monoclonal antibody.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Length	523
Applicable Applications for anti-ATG16L1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ATG16L1 Monoclonal Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-ATG16L1 Monoclonal Antibody by ATG16L1 recombinant protein (Fragment). ATG16L1 (Fragment) protein (arrow) was detected using the purified Mab. (1:2000)

ADDITIONAL INFORMATION

Related Product Information for anti-ATG16L1 antibody

The protein encoded by this gene is part of a large protein complex that is necessary for autophagy, the major process by which intracellular components are targeted to lysosomes for degradation. Defects in this gene are a cause of susceptibility to inflammatory bowel disease type 10 (IBD10). Several transcript variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-ATG16L1 antibody	Cancer ; Cardiovascular ; Cell Biology ; Metabolism ; Neuroscience ; Autophagy
References	Age at onset in Huntington's disease is modified by the autophagy pathway: implication of the V471A polymorphism in Atg7. Metzger S, et al. Hum Genet, 2010 Oct. PMID 20697744. Plasma membrane contributes to the formation of pre-autophagosomal structures. Ravikumar B, et al. Nat Cell Biol, 2010 Aug. PMID 20639872. Replication and meta-analysis of 13,000 cases defines the risk for interleukin-23 receptor and autophagy-related 16-like 1 variants in Crohn's disease. Cotterill L, et al. Can J Gastroenterol, 2010 May. PMID 20485703. Is there a role for Crohn's disease-associated autophagy genes ATG16L1 and IRGM in formation of granulomas? Wolfkamp SC, et al. Eur J Gastroenterol Hepatol, 2010 Aug. PMID 20395867. NOD2/CARD15, ATG16L1 and IL23R gene polymorphisms and childhood-onset of Crohn's disease. Gazouli M, et al. World J Gastroenterol, 2010 Apr 14. PMID 20380008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	298229005
NCBI GeneID	55054
NCBI Accession #	NP_001177195.1 ; NP_001177196.1 ; NP_060444.3 ; NP_110430.5 ; NP_942593.2
NCBI GenBank Nucleotide #	NM_001190266.1
UniProt Accession #	Q676U5 ; Q6IPN1 ; Q6UXW4 ; Q6ZVZ5 ; Q8NCY2 ; Q96JV5 ; Q9H619 ; A3EXK9 ; A3EXL0 ; B6ZDH0
Molecular Weight	68265
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
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/monoclonal/atg16l1-antibody-clone-54ct27-2-6-immunohistochemistry-western-blot-elisa/283542>