

产品名称: Atg16L1 (3X18) Rabbit Monoclonal Antibody
产品货号: AMRe07286



产品概述 (Summary)

产品名称 (Production Name)	Atg16L1 (3X18) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,IF-P
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATG16L1
别名 (Alternative Names)	APG16 like 1; APG16L; APG16L beta; ATG16A; ATG16L; Atg16l1; IBD10; WD repeat domain 30; WDR30;
基因 ID (Gene ID)	55054.0
蛋白 ID (SwissProt ID)	Q676U5.Recombinant protein of human ATG16L1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:2000,IHC 1:20-1:50,IF-P 1:20-1:50
蛋白分子量 (Molecular Weight)	68kDa

研究背景 (Background)

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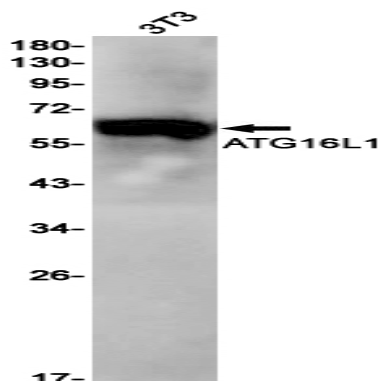


Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal membrane. 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](http://www.uniprot.org/citations/24553140)), PubMed: [23376921](http://www.uniprot.org/citations/23376921)), PubMed: [24954904](http://www.uniprot.org/citations/24954904)), PubMed: [27273576](http://www.uniprot.org/citations/27273576)), PubMed: [23392225](http://www.uniprot.org/citations/23392225)). Regulates mitochondrial antiviral signaling (MAVS)-dependent type I interferon (IFN-I) production (PubMed: [25645662](http://www.uniprot.org/citations/25645662)). Negatively regulates NOD1- and NOD2-driven inflammatory cytokine response (PubMed: [24238340](http://www.uniprot.org/citations/24238340)). Instead, promotes with NOD2 an autophagy-dependent antibacterial pathway (PubMed: [20637199](http://www.uniprot.org/citations/20637199)). Plays a role in regulating morphology and function of Paneth cell (PubMed: [18849966](http://www.uniprot.org/citations/18849966)).

研究领域 (Research Area)

Cell Biology; Proteolysis / Ubiquitin; Proteasome / Ubiquitin; Ub-like Proteins; Neuroscience; Neurology process; Neurodegenerative disease; Cancer; Oncoproteins/suppressors; Tumor suppressors; Cardiovascular; Heart; Autophagy; APG gene products; Signal transduction; Metabolism; Pathways and Processes; Metabolism processes; Autophagy and mitophagy; Cell Death

图片 (Image Data)



Western blot detection of ATG16L1 in 3T3 cell lysates using ATG16L1 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .

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