

Product datasheet for **TA383763M**

ATG16L1 Rabbit Monoclonal Antibody [Clone ID: R03-4G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R03-4G8
Applications:	WB
Recommended Dilution:	WB: 1/1000-1/2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human ATG16L1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 68 kDa; Observed MW: 68 kDa
Gene Name:	autophagy related 16 like 1
Database Link:	Entrez Gene 55054 Human Q676U5



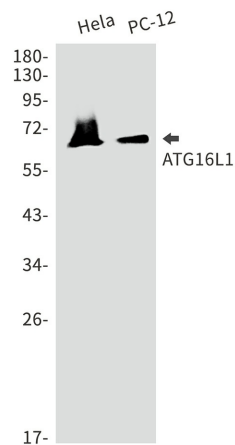
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Background:

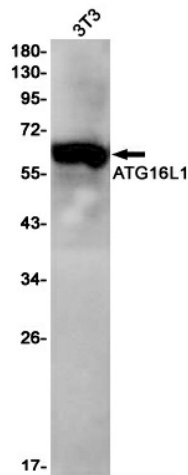
Swiss-Prot Acc.Q676U5. Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal 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).

Synonyms:

APG16L; ATG16L; FLJ00045; FLJ10035; FLJ10828; FLJ22677; IBD10; WDR30

Product images:


Western blot analysis of ATG16L1 in HeLa, PC-12 lysates using ATG16L1 antibody.



Western blot analysis of ATG16L1 in 3T3 lysates using ATG16L1 antibody.