

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TA361341

ATG14L (ATG14) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATG14
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	54 kDa
Gene Name:	autophagy related 14
Database Link:	<u>NP_055739.2</u> <u>Entrez Gene 22863 Human</u> <u>Q6ZNE5</u>



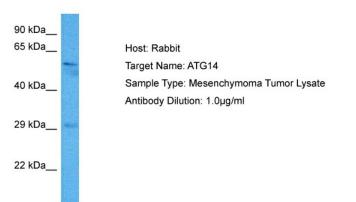
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CRIGENE ATG14L (ATG14) Rabbit Polyclonal Antibody – TA361341

Background:Required for both basal and inducible autophagy. Determines the localization of the
autophagy-specific PI3-kinase complex PI3KC3-C1. Plays a role in autophagosome formation
and MAP1LC3/LC3 conjugation to phosphatidylethanolamine. Promotes BECN1 translocation
from the trans-Golgi network to autophagosomes. Enhances PIK3C3 activity in a BECN1-
dependent manner. Essential for the autophagy-dependent phosphorylation of BECN1.
Stimulates the phosphorylation of BECN1, but suppresses the phosphorylation PIK3C3 by
AMPK. Binds to STX17-SNAP29 binary t-SNARE complex on autophagosomes and primes it for
VAMP8 interaction to promote autophagosome-endolysosome fusion. Modulates the hepatic
lipid metabolism.

Synonyms: ATG14L; BARKOR; KIAA0831

Product images:



Host: Rabbit Target Name: ATG14 Sample Tissue: Human Mesenchymoma Tumor lysates Antibody Dilution: 1ug/ml

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