

ATG14 Polyclonal Antibody

Catalog No: #30954



Package Size: #30954-1 50ul #30954-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

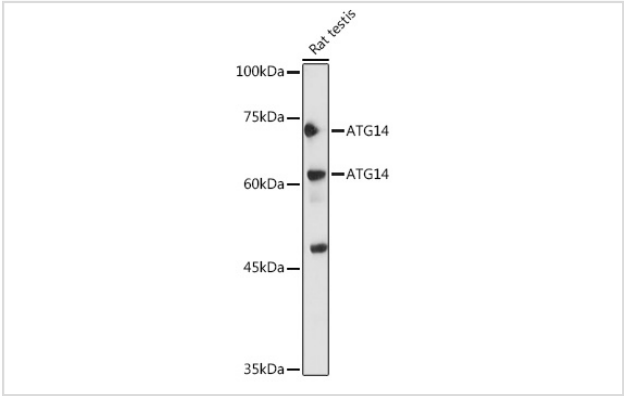
Description

Product Name	ATG14 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ATG14 (NP_055739.2).
Other Names	ATG14;ATG14L;BARKOR;KIAA0831
Accession No.	Uniprot:Q6ZNE5GeneID:22863
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GeneID	22863
Calculated MW	60kDa
SDS-PAGE MW	60-65KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

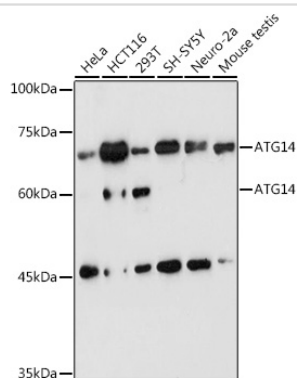
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

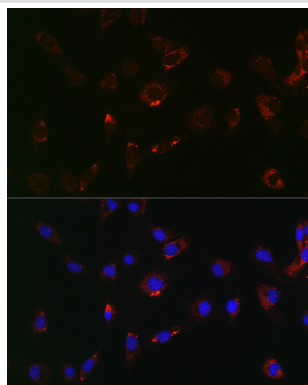
Images



Western blot analysis of extracts of Rat testis, using ATG14 antibody.



Western blot analysis of extracts of various cell lines, using ATG14 antibody.



Immunofluorescence analysis of BALB-3T3 cells using ATG14 Rabbit pAb.

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 (By similarity).

Note: This product is for in vitro research use only