

Product datasheet for **TA319838**

ATG14L (ATG14) Rabbit Polyclonal Antibody

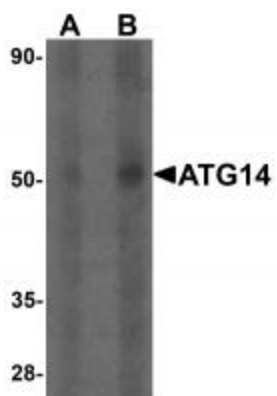
Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ATG14 antibody was raised against an 18 amino acid synthetic peptide near the center of human ATG14.
Formulation:	ATG14 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	ATG14 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	autophagy related 14
Database Link:	NP_055739 Entrez Gene 305831 Rat Entrez Gene 100504663 Mouse Entrez Gene 22863 Human Q6ZNE5
Background:	ATG14 Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein ATG1. ATG14 is a subunit of a class III phosphatidylinositol (PtdIns) 3-kinase complex that targets the complex to the endoplasmic reticulum, the site of autophagosome formation.
Synonyms:	ATG14L; BARKOR; KIAA0831

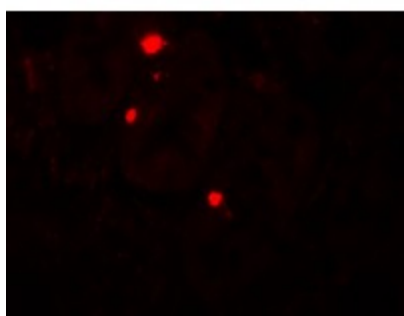


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Product images:



Western blot analysis of ATG14 in human small intestine tissue lysate with ATG14 antibody at (A) 1 and (B) 2 $\mu\text{g}/\text{mL}$.



Immunofluorescence of ATG14 in human small intestine tissue with ATG14 antibody at 20 $\mu\text{g}/\text{mL}$.