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# ATG14 Rabbit pAb

货号: **AYP10691**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>IP:</b> Nicotiana tabacum
应用	WB IF/ICC
推荐浓度	<b>WB:</b> 1:500 - 1:1000 <b>IF/ICC:</b> 1:50 - 1:200
理论分子量	42kDa/55kDa
实测分子量	65KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,SH-SY5Y,Neuro-2a
细胞定位	Cytoplasm,Cytoplasmic vesicle,Endoplasmic reticulum membrane,Peripheral membrane protein,Preautophagosomal structure membrane,autophagosome membrane
纯化	Affinity purification

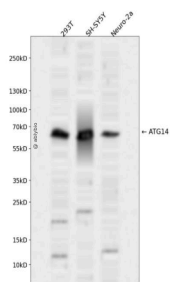
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 340-440 of human ATG14 (NP_055739.2).
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## 靶点信息

研究背景	Required for both basal and inducible autophagy. Determines the localization of the autophagy-specific PI 3-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).
基因ID	22863
基因名	ATG14
Swiss	Q6ZNE5 ( <a href="https://www.uniprot.org/uniprotkb/Q6ZNE5/entry">https://www.uniprot.org/uniprotkb/Q6ZNE5/entry</a> )
别名	ATG14,ATG14L,BARKOR,KIAA0831,ATG14 Rabbit pAb,Autophagy-related protein 14-like protein

## 产品验证



Western blot analysis of ATG14 expressed in 293T, SH-SY5Y, Neuro-2a using ATG14 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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