自噬相关蛋白 14 抗体

产品货号： mlR7462

英文名称： ATG14

中文名称： 自噬相关蛋白 14 抗体

别　　名： 4832427M01; ATG14; Atg14L; Autophagy-related protein 14-like protein; BAKOR_HUMAN; Barkor; Beclin 1-associated autophagy-related key regulator; D14Ertd114e; D14Ertd436e; KIAA0831; mCG_6911.

研究领域： 细胞生物　信号转导　细胞凋亡　转运蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 55kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human ATG14:41-140/492

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : Required for both basal and inducible autophagy. 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.

Function:

Required for both basal and inducible autophagy. Determines the localization of the autophagy-specific PI3-kinase complex. 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.

Subunit:

Component of the autophagy-specific PI3-kinase complex I composed of ATG14, BECN1, PIK3C3 and PIK3R4, but not UVRAG, nor KIAA0226/Rubicon. UVRAG and ATG14/Barkor form mutually exclusive complexes with BECN1 through direct competition. The complex containing ATG14 up-regulates autophagy, while the one containing Rubicon down-regulates autophagy (By similarity). Interacts with PIK3CB (By similarity). Interacts with BECN1P1/BECN2.

Subcellular Location:

Cytoplasm. Endoplasmic reticulum. Cytosolic under nutrient-rich conditions. Following autophagy stimuli, such as starvation or rapamycin induction, predominantly detected in cytoplasmic foci, identified as isolation membranes and autophagosomes.

Similarity:

Belongs to the Barkor family.

SWISS:

Q6ZNE5

Gene ID:

22863

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.