



自噬相关蛋白 7 单克隆抗体

产品货号 : mlR33396

英文名称 : ATG7/APG7

中文名称 : 自噬相关蛋白 7 单克隆抗体

别 名 : Apg 7; ATG7; APG7 autophagy 7 like; APG7 autophagy 7-like (*S. cerevisiae*); APG7 like; APG7, *S. cerevisiae*, homolog of; APG7L; ATG 7; atg7; ATG7 autophagy related 7 homolog (*S. cerevisiae*); ATG7 autophagy related 7 homolog; Atg7l; Autophagy 7, *S. cerevisiae*, homolog of; Autophagy related protein 7; Autophagy-related 7 (yeast); DKFZp434N0735; GSA 7; GSA7; hAGP7; Ubiquitin activating enzyme E1 like protein; ATG7_HUMAN.

研究领域 : 肿瘤 免疫学 细胞凋亡 细胞自噬

抗体来源 : Mouse

克隆类型 : Monoclonal

克 隆 号 : 5E6

交叉反应 : Human, Mouse, Rat,



产品应用 : 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 : 78kDa

细胞定位 : 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : Recombinant human ATG7 Protein:

亚 型 : IgG

纯化方法 : affinity purified by Protein G

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 : This gene was identified based on homology to *Pichia pastoris* GSA7 and *Saccharomyces cerevisiae* APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq, Jan 2009].

Function:

Functions as an E1 enzyme essential for multisubstrates such as ATG8-like proteins and ATG12. Forms intermediate conjugates with ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A). PE-conjugation to ATG8-like proteins is essential for autophagy. Also acts as an E1 enzyme for ATG12 conjugation to ATG5 and ATG3.

Subunit:

Homodimer. Interacts with ATG3 and ATG12. The complex, composed of ATG3 and ATG7, plays a role in the conjugation of ATG12 to ATG5.

Subcellular Location:

Cytoplasm (Probable).

Tissue Specificity:

Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.



Similarity:

Belongs to the ATG7 family.

SWISS:

O95352

Gene ID:

10533

Important Note:

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

产品图片

