

产品名称: Atg4b Rabbit Polyclonal Antibody
产品货号: APRab07292



产品概述 (Summary)

产品名称 (Production Name)	Atg4b Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATG4B ATG4B; APG4B; AUTL1; KIAA0943; Cysteine protease ATG4B; AUT-like 1
别名 (Alternative Names)	cysteine endopeptidase; Autophagin-1; Autophagy-related cysteine endopeptidase 1; Autophagy-related protein 4 homolog B; hAPG4B
基因 ID (Gene ID)	23192.0
蛋白 ID (SwissProt ID)	Q9Y4P1.The antiserum was produced against synthesized peptide derived from human ATG4B. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	44kDa

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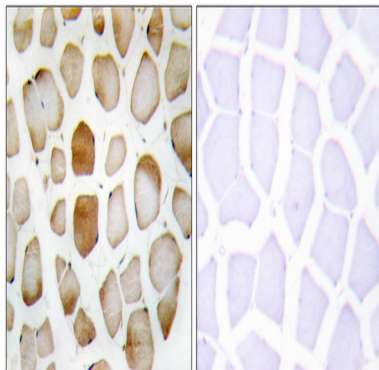
研究背景 (Background)

Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],enzyme regulation:Inhibited by N-ethylmaleimide,.,function:Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes,.,similarity:Belongs to the peptidase C54 family,.,tissue specificity:Mainly expressed in the skeletal muscle, followed by brain, heart, liver and pancreas,.

研究领域 (Research Area)

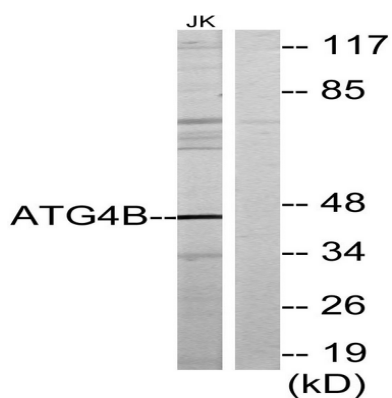
Regulation of autophagy;

图片 (Image Data)

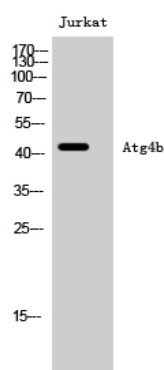


Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using ATG4B Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from Jurkat cells, using ATG4B Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using Atg4b Polyclonal Antibody

注意事项 (Note)

For research use only .