

产品名称: ATG5(3C7)Mouse Monoclonal Antibody
产品货号: AMM07298



产品概述 (Summary)

产品名称 (Production Name)	ATG5(3C7)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	ATG5
别名 (Alternative Names)	Autophagy protein 5 (APG5-like) (Apoptosis-specific protein)
基因 ID (Gene ID)	9494.0
蛋白 ID (SwissProt ID)	Q9H1Y0.Recombinant Protein of ATG5

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:50-1:200,IP 1:50-1:200
蛋白分子量 (Molecular Weight)	55kDa

研究背景 (Background)

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a

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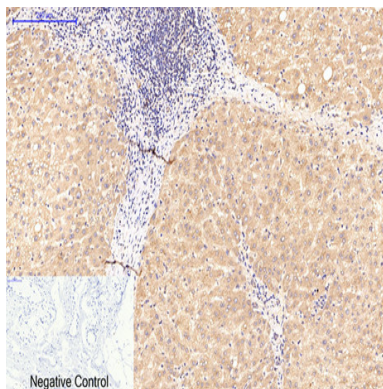


ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015],function:May play an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity.,function:Required for autophagy. Conjugates to ATG12 and associates with isolation membrane to form cup-shaped isolation membrane and autophagosome. The conjugate detaches from the membrane immediately before or after autophagosome formation is completed.,induction:By apoptotic stimuli.,PTM:Conjugated to ATG12; which is essential for autophagy, but is not required for association with isolation membrane.,similarity:Belongs to the ATG5 family.,subcellular location:Colocalizes with nonmuscle actin.,tissue specificity:Ubiquitous. The mRNA is present at similar levels in viable and apoptotic cells, whereas the protein is dramatically highly expressed in apoptotic cells.,

研究领域 (Research Area)

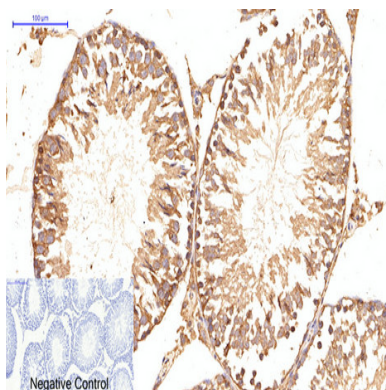
Regulation of autophagy;RIG-I-like receptor;

图片 (Image Data)

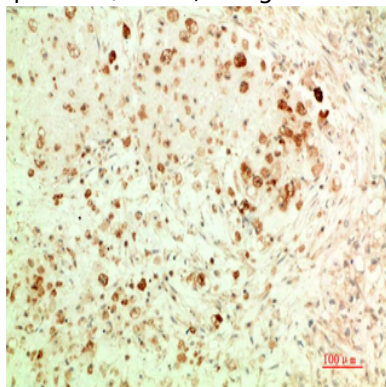


Immunohistochemical analysis of paraffin-embedded Human-breast tissue. 1,ATG5 Mouse Monoclonal Antibody (3C7) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.

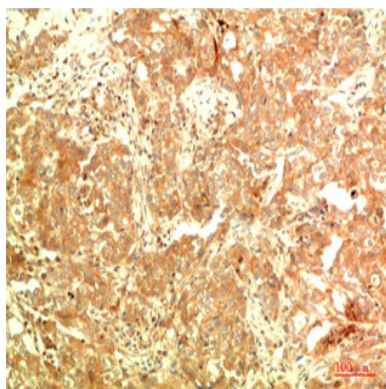
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Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1,ATG5 Mouse Monoclonal Antibody (3C7) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.

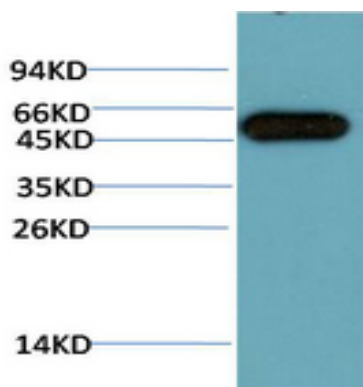


Immunohistochemical analysis of paraffin-embedded Human Ovarian Carcinoma Tissue using ATG5 Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ATG5 Mouse mAb diluted at 1:200.

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Western blot analysis of HeLa Cell Lysate using ATG5 Mouse mAb diluted at 1:10000

注意事项 (Note)

For research use only .