

产品名称: ATG5 Mouse Monoclonal Antibody
产品货号: AMM81908



产品概述 (Summary)

产品名称 (Production Name)	ATG5 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	ICC,ELISA,FC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
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)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATG5
别名 (Alternative Names)	ASP; APG5; APG5L; hAPG5; APG5-LIKE
基因 ID (Gene ID)	9474.0
蛋白 ID (SwissProt ID)	Q9H1Y0.Purified recombinant fragment of human ATG5 (AA: 144-275) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	ICC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	32.4kDa

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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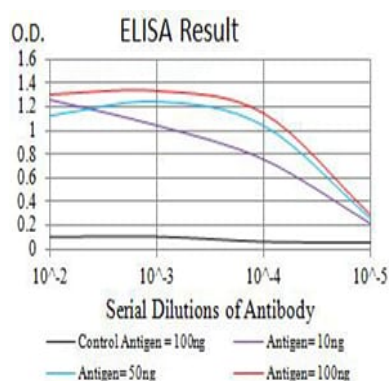


ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene.

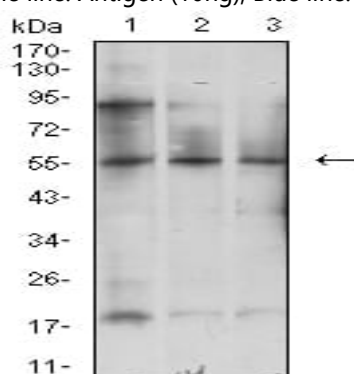
研究领域 (Research Area)

Autophagy, Apoptosis

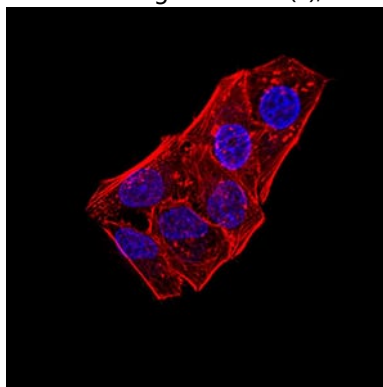
图片 (Image Data)



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



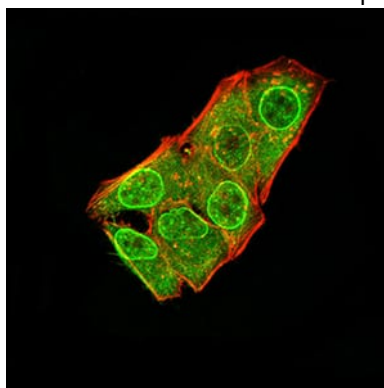
Western blot analysis using ATG5 mouse mAb against K562 (1), SH-SY5Y (2), and HCT116 (3) cell lysate.



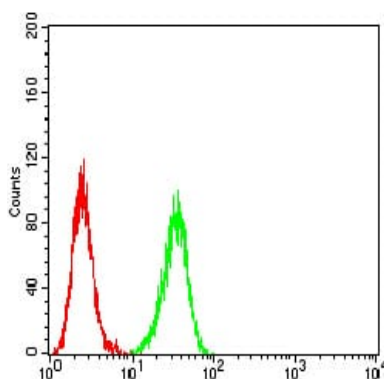
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Immunofluorescence analysis of Hela cells using ATG5 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of Hela cells using ATG5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of Hela cells using ATG5 mouse mAb (green) and negative control (red).

注意事项 (Note)

For research use only .