

Product Name: ATG5 Mouse Monoclonal Antibody
Catalog #: AMM81908



Summary

Production Name	ATG5 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

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

Application

Dilution Ratio	ICC:1:100-1:500,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	32.4kDa

Background

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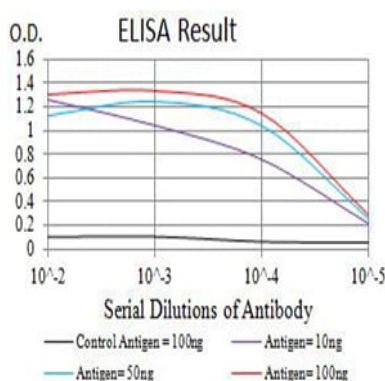


The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative 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.

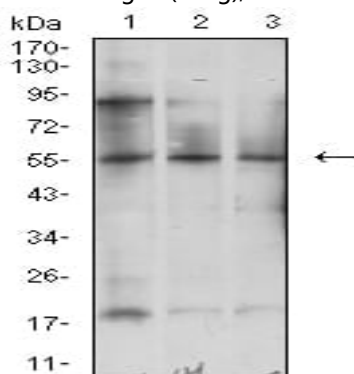
Research Area

Autophagy, Apoptosis

Image Data

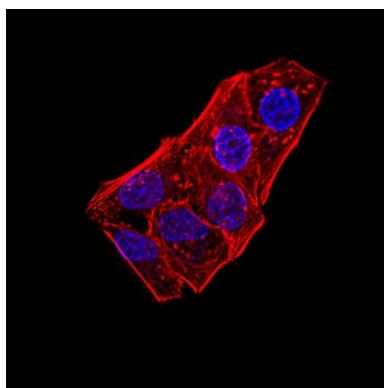


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

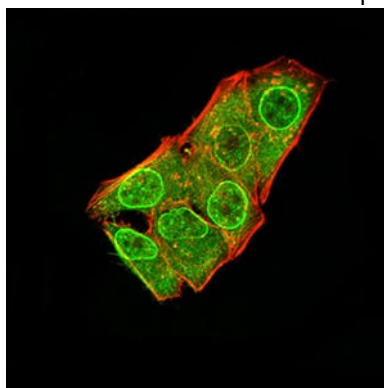


Western blot analysis using ATG5 mouse mAb against K562 (1), SH-SY5Y (2), and HCT116 (3) cell lysate.

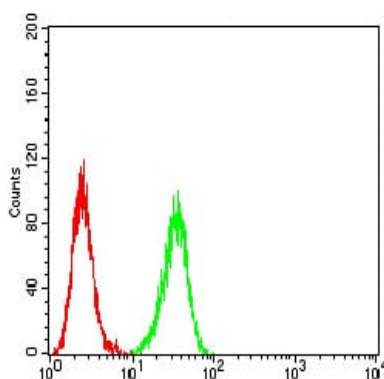
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Immunofluorescence analysis of HeLa cells using ATG5 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



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).

Note

For research use only.