Product Name: **ATG3 Mouse Monoclonal Antibody**
Catalog #: **AMM81851**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	35.9kDa

Antigen Information

Gene Name	ATG3
Alternative Names	APG3; APG3L; PC3-96; APG3-LIKE
Gene ID	64422.0
SwissProt ID	Q9NT62
Immunogen	Purified recombinant fragment of human ATG3 (AA: 1-100) expressed in E. Coli.

Background

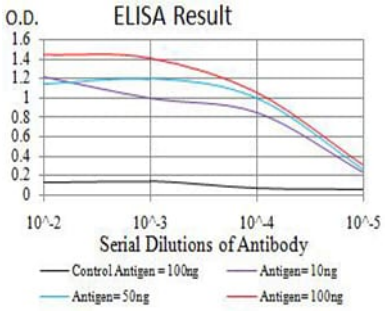
This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20.

Alternative splicing results in multiple transcript variants encoding different isoforms.

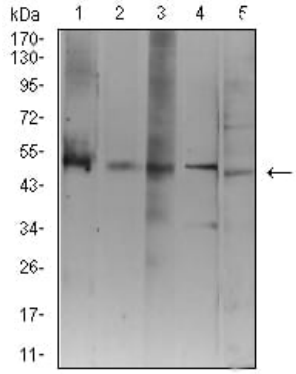
Research Area

Autophagy

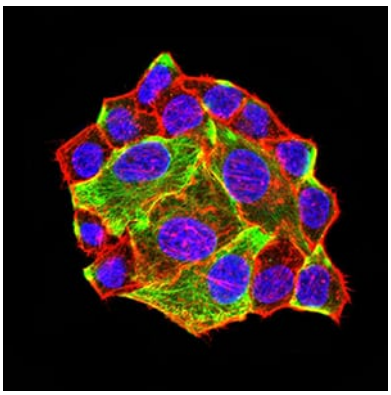
Image Data



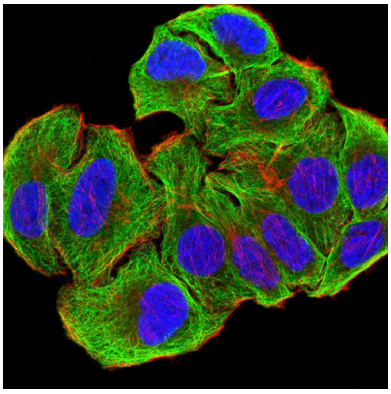
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



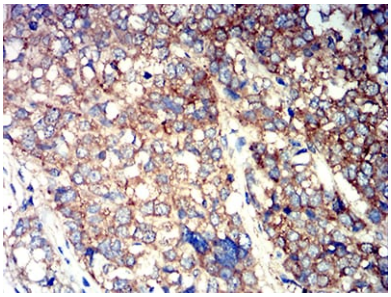
Western blot analysis using ATG3 mouse mAb against Jurkat (1), K562 (2), Hela (3), THP-1 (4), and COS7 (5) cell lysate.



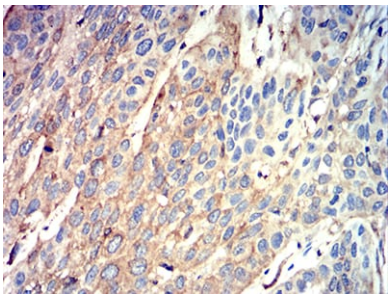
Immunofluorescence analysis of Hela cells using ATG3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of SMMC-7721 cells using ATG3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using ATG3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using ATG3 mouse mAb with DAB staining.