

Product Name: ATG10 Mouse Monoclonal Antibody**Catalog #: AMM82314**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
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,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	25.3kDa

Antigen Information

Gene Name	ATG10
Alternative Names	APG10; APG10L; pp12616
Gene ID	83734.0
SwissProt ID	Q9H0Y0
Immunogen	Purified recombinant fragment of human ATG10 (AA: 1-125) expressed in E. Coli.

Background

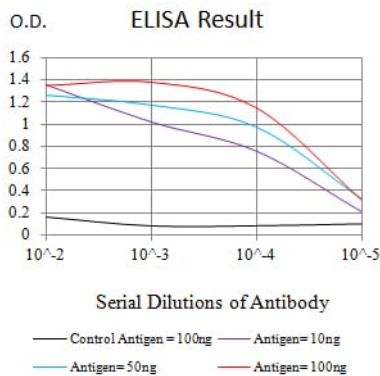
Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a

membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).

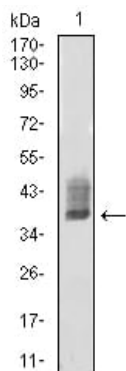
Research Area

Autophagy

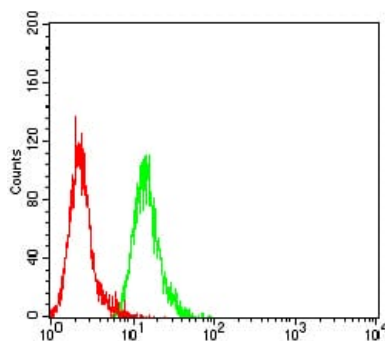
Image Data



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



Western blot analysis using ATG10 mouse mAb against K562 (1) cell lysate.



Flow cytometric analysis of Hela cells using ATG10 mouse mAb (green) and negative control (red).