
Product Name: ATG7 Mouse Monoclonal Antibody**Catalog #: AMM81850**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
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	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	78kDa

Antigen Information

Gene Name	ATG7
Alternative Names	GSA7; APG7L; APG7-LIKE
Gene ID	10533.0
SwissProt ID	O95352
Immunogen	Purified recombinant fragment of human ATG7 (AA: 558-703) expressed in E. Coli.

Background

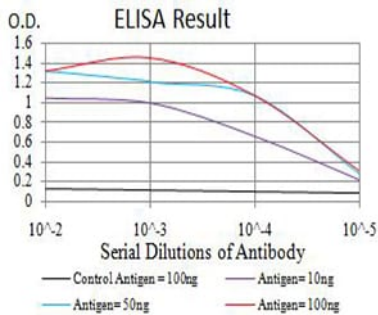
This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose

differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants.

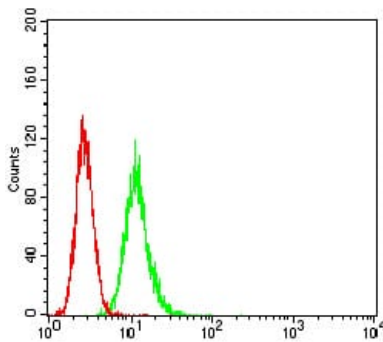
Research Area

Autophagy

Image Data



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



Flow cytometric analysis of HeLa cells using ATG7 mouse mAb (green) and negative control (red).