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**Product Name: MAP1LC3A Mouse Monoclonal Antibody****Catalog #: AMM83039**

For research use only.

**Summary**

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

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	14.3kDa

**Antigen Information**

<b>Gene Name</b>	MAP1LC3A
<b>Alternative Names</b>	LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3
<b>Gene ID</b>	84557.0
<b>SwissProt ID</b>	Q9H492
<b>Immunogen</b>	Purified recombinant fragment of human MAP1LC3A (AA: 1-121) expressed in E. Coli.

**Background**

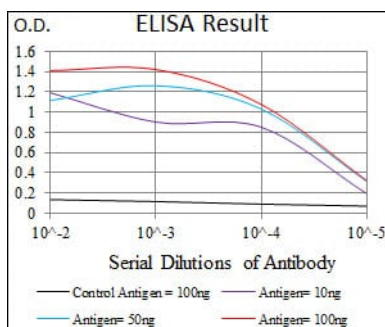
MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two

transcript variants encoding different isoforms have been found for this gene. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis.

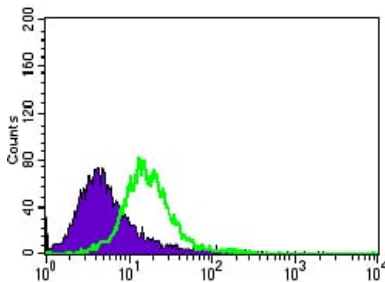
## Research Area

Autophagy

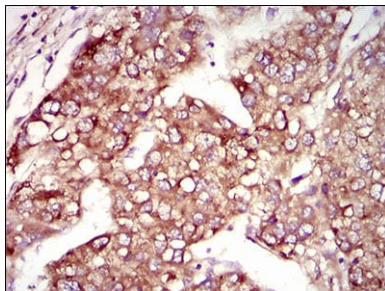
## Image Data



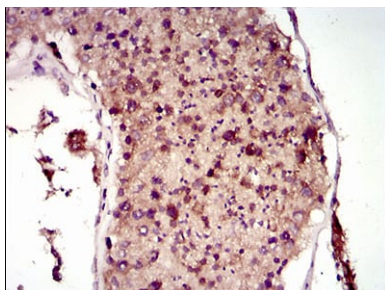
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of HeLa cells using MAP1LC3A mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using MAP1LC3A mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human testis tissues using MAP1LC3A mouse mAb with DAB staining.