

**Product Name: ATG13 Mouse Monoclonal Antibody****Catalog #: AMM81597**

For research use only.

**Summary**

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Description</b>   | Mouse monoclonal Antibody                                                   |
| <b>Host</b>          | Mouse                                                                       |
| <b>Application</b>   | ICC,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>   | ICC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 56.6kDa                                             |

**Antigen Information**

|                          |                                                                                  |
|--------------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b>         | ATG13                                                                            |
| <b>Alternative Names</b> | KIAA0652; PARATARG8                                                              |
| <b>Gene ID</b>           | 9776.0                                                                           |
| <b>SwissProt ID</b>      | O75143                                                                           |
| <b>Immunogen</b>         | Purified recombinant fragment of human ATG13 (AA: 339-550) expressed in E. Coli. |

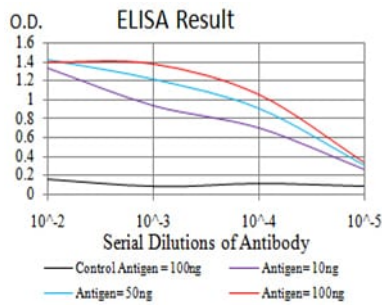
**Background**

ATG13 (Autophagy Related 13) is a Protein Coding gene. Among its related pathways are Senescence and Autophagy and mTOR signaling pathway. GO annotations related to this gene include protein kinase binding.

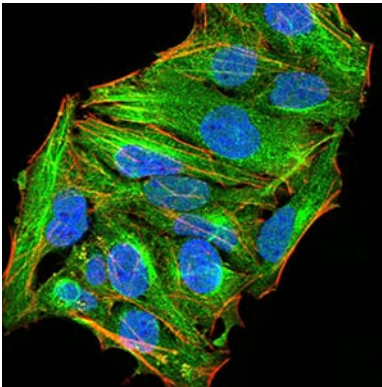
## Research Area

Autophagy, mTOR signaling pathway

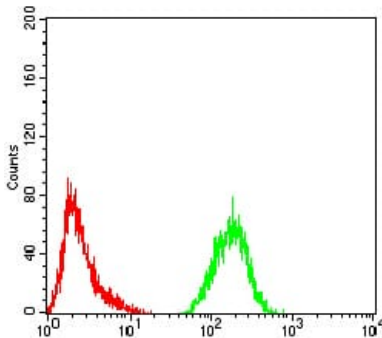
## Image Data



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



Immunofluorescence analysis of HeLa cells using ATG13 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using ATG13 mouse mAb (green) and negative control (red).