

Product Name: ATG4B Mouse Monoclonal Antibody**Catalog #: AMM82334**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,ELISA,FC |
| Reactivity | Human, Mouse |
| 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 | 44.3kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | ATG4B |
| Alternative Names | APG4B; AUTL1 |
| Gene ID | 23192.0 |
| SwissProt ID | Q9Y4P1 |
| Immunogen | Purified recombinant fragment of human ATG4B (AA: 1-221) expressed in E. Coli. |

Background

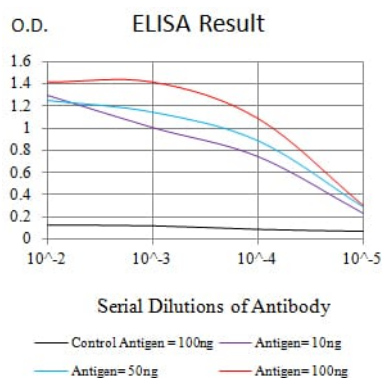
Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in

controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

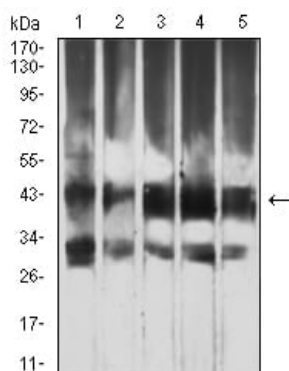
Research Area

Autophagy

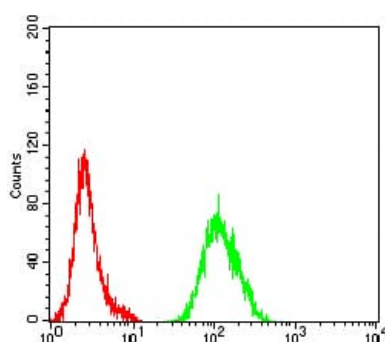
Image Data



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



Western blot analysis using ATG4B mouse mAb against Hela (1), RAW264.7 (2), Ramos (3), Jurkat (4), and HepG2 (5) cell lysate.



Flow cytometric analysis of Hela cells using ATG4B mouse mAb (green) and negative control (red).