

## Human Autophagy Related Protein 12 (ATG12) ELISA Kit | ATG12 elisa kit

Human Autophagy Related Protein 12 (ATG12) ELISA Kit

CATALOG #  
**AAA68383**

REACTIVITY  
**Human**

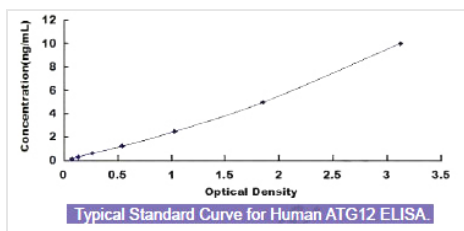
### PRODUCT SYNONYMS

Autophagy Related Protein 12 (ATG12); Human Autophagy Related Protein 12 (ATG12) ELISA Kit; APG12; APG12L; HAPG12; Ubiquitin-like protein ATG12; ATG12 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of ATG12. No significant cross-reactivity or interference between ATG12 and analogues was observed.                               |
| Sequence Length       | 74                                                                                                                                                                                                        |
| Samples               | Tissue homogenates, cell lysates and other biological fluids                                                                                                                                              |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                     |
| Detection Range       | 0.156-10ng/mL                                                                                                                                                                                             |
| Sensitivity           | <0.057ng/mL.                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATG12 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATG12 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ATG12 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ATG12 in human tissue homogenates, cell lysates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATG12. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATG12. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ATG12, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ATG12 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 480540330                              |
| NCBI GeneID                      | 9140                                   |
| NCBI Accession #                 | NP_001264712.1                         |
| NCBI GenBank Nucleotide #        | NM_001277783.1                         |
| UniProt Accession #              | O94817; Q6PJV2                         |
| Molecular Weight                 | 7,746 Da                               |
| NCBI Official Full Name          | ubiquitin-like protein ATG12 isoform 2 |
| NCBI Official Synonym Full Names | autophagy related 12                   |
| NCBI Official Symbol             | ATG12                                  |
| NCBI Official Synonym Symbols    | APG12; FBR93; APG12L; HAPG12           |
| NCBI Protein Information         | ubiquitin-like protein ATG12           |
| UniProt Protein Name             | Ubiquitin-like protein ATG12           |
| UniProt Gene Name                | ATG12                                  |
| UniProt Synonym Gene Names       | APG12; APG12L; APG12-like              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/autophagy-related-protein-12-atg12/68383>