

# ATG101 Rabbit pAb

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Catalog # AP57778

## Product Information

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| <b>Application</b>          | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                 |
| <b>Primary Accession</b>    | <a href="#">Q9BSB4</a>                                                                                                                                                                                                                                           |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                            |
| <b>Predicted</b>            | Rat, Mouse, Rabbit, Chicken, Horse                                                                                                                                                                                                                               |
| <b>Host</b>                 | Rabbit                                                                                                                                                                                                                                                           |
| <b>Clonality</b>            | Polyclonal                                                                                                                                                                                                                                                       |
| <b>Calculated MW</b>        | 25003                                                                                                                                                                                                                                                            |
| <b>Physical State</b>       | Liquid                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>            | KLH conjugated synthetic peptide derived from human ATG101                                                                                                                                                                                                       |
| <b>Epitope Specificity</b>  | 121-218/218                                                                                                                                                                                                                                                      |
| <b>Isotype</b>              | IgG                                                                                                                                                                                                                                                              |
| <b>Purity</b>               | affinity purified by Protein A                                                                                                                                                                                                                                   |
| <b>Buffer</b>               | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                |
| <b>SUBCELLULAR LOCATION</b> | Cytoplasm. Preautophagosomal structure. Under starvation conditions, it is localized to punctate structures primarily representing the isolation membrane and the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation. |
| <b>Important Note</b>       | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                        |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 60673                                                                                                                                                                                           |
| <b>Other Names</b> | Autophagy-related protein 101, ATG101, C12orf44                                                                                                                                                 |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                    |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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|-----------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | ATG101                                                                                                               |
| <b>Synonyms</b> | C12orf44                                                                                                             |
| <b>Function</b> | Autophagy factor required for autophagosome formation. Stabilizes ATG13, protecting it from proteasomal degradation. |

## Cellular Location

Cytoplasm. Preautophagosomal structure. Note=Under starvation conditions, it is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation

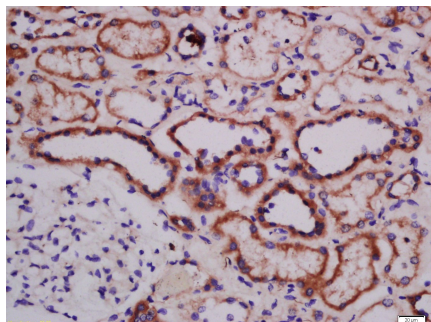
## Background

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## Images

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Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ATG101 Polyclonal Antibody, Unconjugated(AP57778) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.