



Good elisakit producers

订购热线: 4008-898-798

## Anti-ATG5 antibody

<b>Cat. No.</b>	ml121650
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

### Product overview

<b>Description</b>	Anti-ATG5 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human ATG5
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.4 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	ATG5
<b>Full name</b>	autophagy related 5
<b>Synonyms</b>	ASP; APG5; APG5L; hAPG5; APG5-LIKE
<b>Swissprot</b>	Q9H1Y0

### Target Background

Autophagy protein 5 is a protein that in humans is encoded by the ATG5 gene. It is an E3 ubiquitin ligase which is necessary for autophagy due to its role in autophagosome elongation. It is activated by ATG7 and forms a complex with ATG12 and ATG16L1. This complex is necessary for LC3-1 conjugation to PE to form LC3-II.

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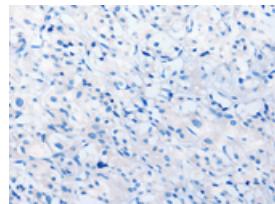
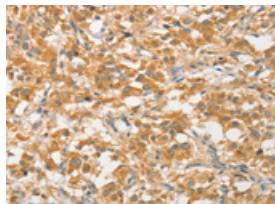
### Applications

#### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200

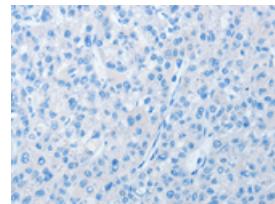
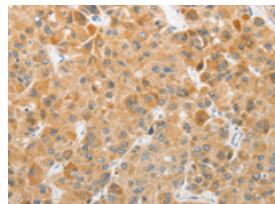


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml121650(ATG5 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml121650(ATG5 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

#### Western blotting

Predicted band size: 32 kDa

Positive control: NIH/3T3 and A172 cells

Recommended dilution: 500-2000

Gel: 12%SDS-PAGE

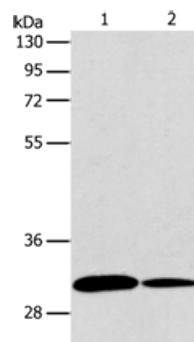
Lysate: 40  $\mu$ g

Lane 1-2: NIH/3T3 cells, A172 cells

Primary antibody: ml121650(ATG5 Antibody) at dilution 1/475

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds



#### ELISA

Recommended dilution: 2000-5000

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