

## ATG4B Rabbit pAb

CatalogNo: YN5673

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF

#### MW

- 44kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**IHC 1:50-300**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Recombinant Protein of ATG4b. AA range:145-245

**Specificity** The antibody detects endogenous ATG4b protein

### Target Information

**Gene name** ATG4B APG4B AUTL1 KIAA0943

**Protein Name** Cysteine protease ATG4B

Organism	Gene ID	UniProt ID
Human	<a href="#">23192;</a>	<a href="#">Q9Y4P1;</a>
Mouse	<a href="#">66615;</a>	<a href="#">Q8BGE6;</a>

**Cellular Localization** Cytoplasm . Cytoplasm, cytosol . Cytoplasmic vesicle, autophagosome . Endoplasmic reticulum . Mitochondrion . Mainly localizes to the cytoplasm, including cytosol (PubMed:29165041). A small portion localizes to mitochondria; phosphorylation at Ser-34 promotes localization to mitochondria (PubMed:29165041). .

**Tissue specificity** Brain,Embryo,Endometrium,Epithelium,Hippocampus,Liver,Placenta,Test

**Function** enzyme regulation:Inhibited by N-ethylmaleimide.,Function:Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes.,similarity:Belongs to the peptidase C54 family.,tissue specificity:Mainly expressed in the skeletal muscle, followed by brain, heart, liver and pancreas.,

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## | Validation Data

## | Contact information

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**ATG4B Rabbit pAb**

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