

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

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	23192;	Q9Y4P1;
Mouse	66615;	Q8BGE6;

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.,

| Validation Data

| Contact information

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ATG4B Rabbit pAb

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