# ATG4C Antibody

**PACO50826**

## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC, IF

**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:20-1:200, IF:1:50-1:200

**Protein Background:**

Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Is not essential for autophagy development under normal conditions but is required for a proper autophagic response under stressful conditions such as prolonged starvation. Cleaves the C-terminal amino acid, of ATG8 family proteins MAP1LC3 and GABARAPL2, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms.

**Gene ID:**

ATG4C

**Uniprot**

Q96DT6

**Synonyms:**

Cysteine protease ATG4C (EC 3.4.22) (AUT-like 3 cysteine endopeptidase) (Autophagin-3) (Autophagy-related cysteine endopeptidase 3) (Autophagy-related protein 4 homolog C), ATG4C, APG4C AUTL1 AUTL3

**Immunogen:**

Recombinant Human Cysteine protease ATG4C protein (419-448AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

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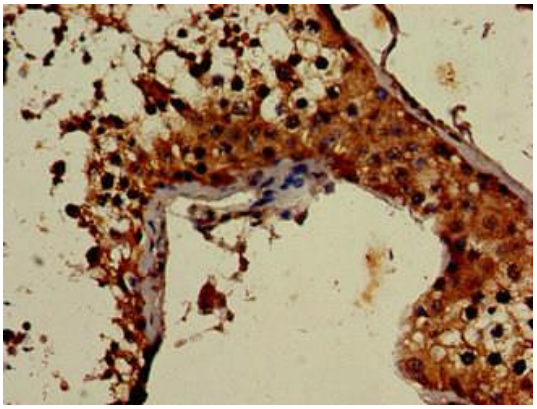
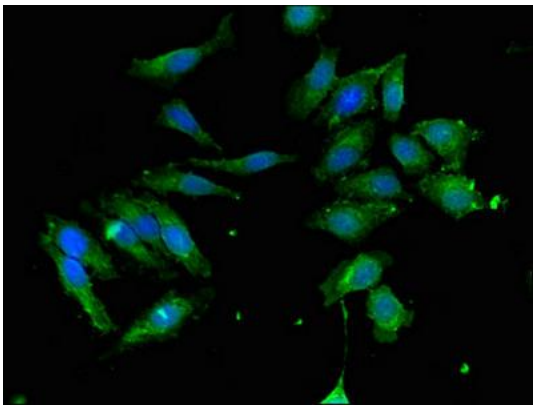
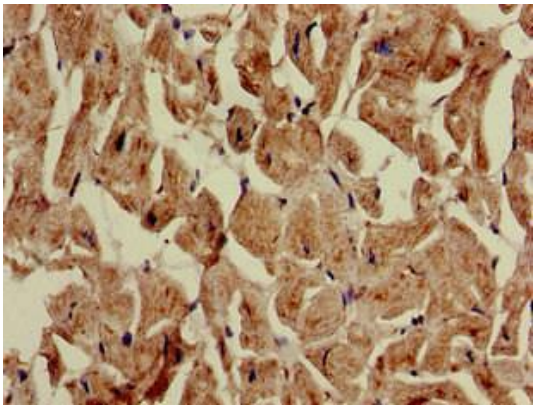
## Product Images



Immunohistochemistry of paraffin-embedded human testis tissue using PACO50826 at dilution of 1:100.



Immunofluorescent analysis of Hela cells using PACO50826 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human heart tissue using PACO50826 at dilution of 1:100.