

Datasheet for ABIN7149028  
**anti-ATG4C antibody (AA 419-448) (FITC)**



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## Overview

|                      |                                           |
|----------------------|-------------------------------------------|
| Quantity:            | 100 µg                                    |
| Target:              | ATG4C                                     |
| Binding Specificity: | AA 419-448                                |
| Reactivity:          | Human                                     |
| Host:                | Rabbit                                    |
| Clonality:           | Polyclonal                                |
| Conjugate:           | This ATG4C antibody is conjugated to FITC |
| Application:         | Please inquire                            |

## Product Details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Immunogen:        | Recombinant Human Cysteine protease ATG4C protein (419-448AA) |
| Isotype:          | IgG                                                           |
| Cross-Reactivity: | Human                                                         |
| Purification:     | >95%, Protein G purified                                      |

## Target Details

|                   |                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ATG4C                                                                                                                                                                                 |
| Alternative Name: | ATG4C ( <a href="#">ATG4C Products</a> )                                                                                                                                              |
| Background:       | 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 |

## Target Details

for a proper autophagic response under stressful conditions such as prolonged starvation (By similarity). 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.

Aliases: APG4 autophagy 4 homolog C (S. cerevisiae) antibody, APG4 autophagy 4 homolog C antibody, APG4 C antibody, APG4-C antibody, APG4C antibody, ATG 4C antibody, ATG4 autophagy related 4 homolog C (S. cerevisiae) antibody, ATG4 autophagy related 4 homolog C antibody, Atg4c antibody, ATG4C\_HUMAN antibody, AUT (S. cerevisiae) like 1, cysteine endopeptidase antibody, AUT like 1, cysteine endopeptidase (S. cerevisiae) antibody, AUT like 1, cysteine endopeptidase antibody, AUT like 3 cysteine endopeptidase antibody, AUT-like 3 cysteine endopeptidase antibody, AUTL1 antibody, AUTL3 antibody, Autophagin 3 antibody, Autophagin-3 antibody, Autophagy related 4C cysteine peptidase antibody, Autophagy related cysteine endopeptidase 3 antibody, Autophagy related protein 4 homolog C antibody, Autophagy-related cysteine endopeptidase 3 antibody, Autophagy-related protein 4 homolog C antibody, Cysteine protease ATG4C antibody, EC 3.4.22 antibody, FLJ14867 antibody, OTTHUMP00000010715 antibody

UniProt: [Q96DT6](#)

Pathways: [Autophagy](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Liquid

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

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.