

Datasheet for ABIN7300382  
**anti-ATG4C antibody (N-Term)**



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3 Images

## Overview

Quantity:	100 µL
Target:	ATG4C
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

## Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ATG4C.
Specificity:	Recognizes endogenous levels of ATG4C protein.
Characteristics:	Rabbit polyclonal antibody to ATG4C
Purification:	The antibody was purified by immunogen affinity chromatography.

## Target Details

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

### Target Details

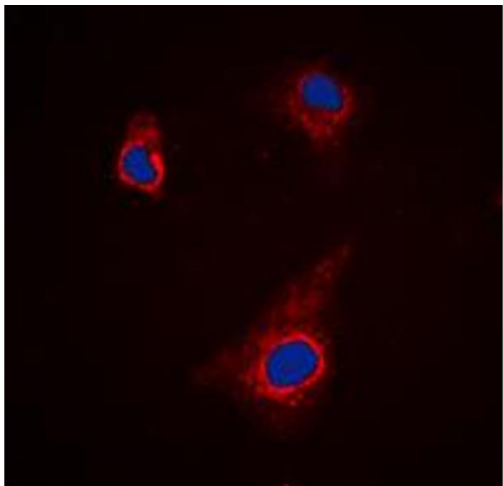
Background:	APG4C, AUTL1, AUTL3, Cysteine protease ATG4C, AUT-like 3 cysteine endopeptidase, Autophagin-3, Autophagy-related cysteine endopeptidase 3, Autophagy-related protein 4 homolog C
Gene ID:	84938
UniProt:	<a href="#">Q96DT6</a>
Pathways:	<a href="#">Autophagy</a>

### Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

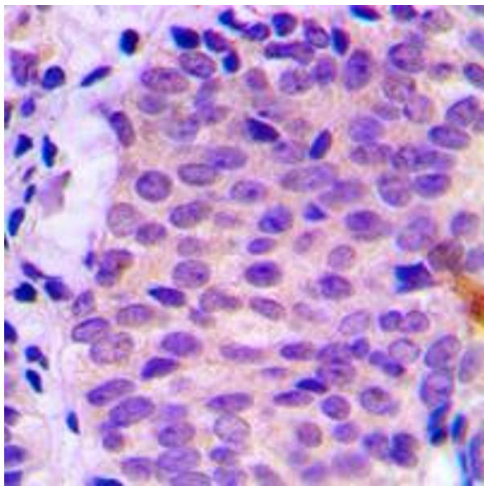
### Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



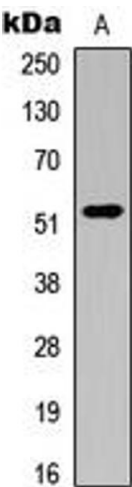
**Immunofluorescence**

**Image 1.** Immunofluorescent analysis of ATG4C staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



**Immunohistochemistry**

**Image 2.** Immunohistochemical analysis of ATG4C staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



**Western Blotting**

**Image 3.** Western blot analysis of ATG4C expression in K562 (A) whole cell lysates.