

# Anti-ATG4A Recombinant Rabbit Monoclonal Antibody



**Catalog #: 1583**

## Aliases

ATG4A; Autophagy Related 4A Cysteine Peptidase; APG4A; AUTL2; Autophagy-Related Cysteine Endopeptidase; Autophagy-Related Protein 4 Homolog A; Cysteine Protease ATG4A; HsAPG4A; HAPG4A; AUT-Like 2, Cysteine Endopeptidase (S. Cerevisiae); ATG4 Autophagy Related 4 Homolog A (S. Cerevisiae); APG4 Autophagy 4 Homolog A (S. Cerevisiae); Autophagy Related 4A, Cysteine Peptidase; ATG4 Autophagy Related 4 Homolog A; AUT-Like 2, Cysteine Endopeptidase; AUT-Like 2 Cysteine Endopeptidase; APG4 Autophagy 4 Homolog A; Autophagin; Autophagin-2; EC 3.4.22.-; EC 3.4.22

## Background

Gene Name: ATG4A

NCBI Gene Entry: [115201](#)

UniProt Entry: [Q8WYN0](#)

## Application Information

Molecular Weight: Predicted, 45 kDa; observed, 45 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB3235

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Atg4A

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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### SUPPORT

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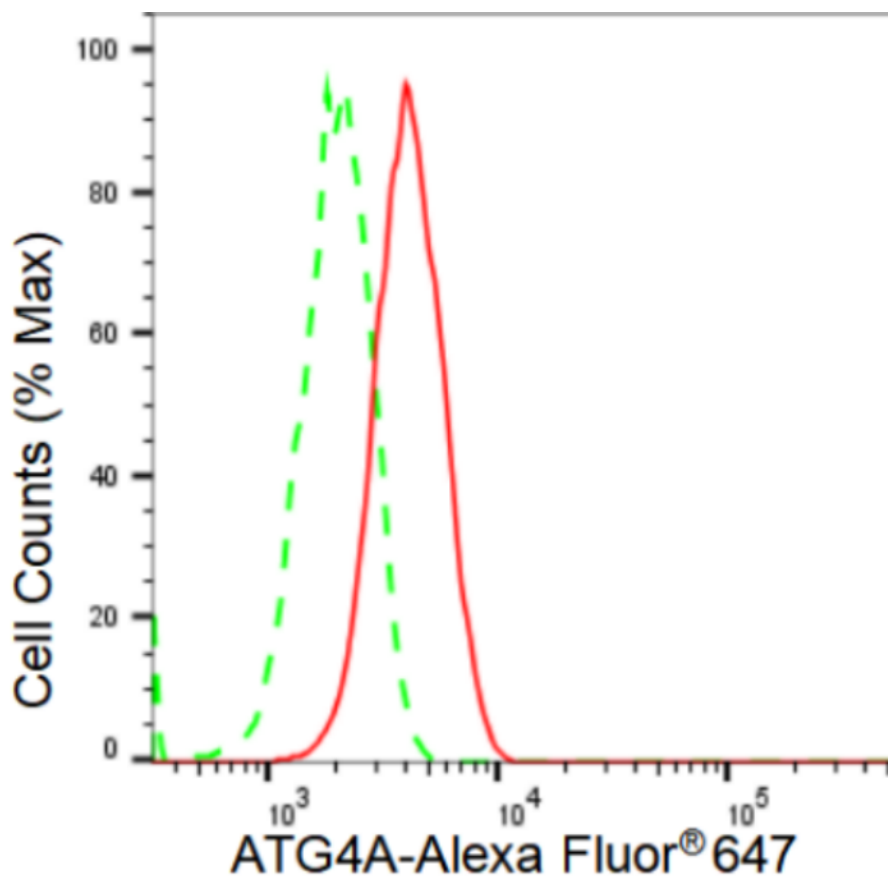
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Immunocytochemistry (IC): 1:100-1:1,000

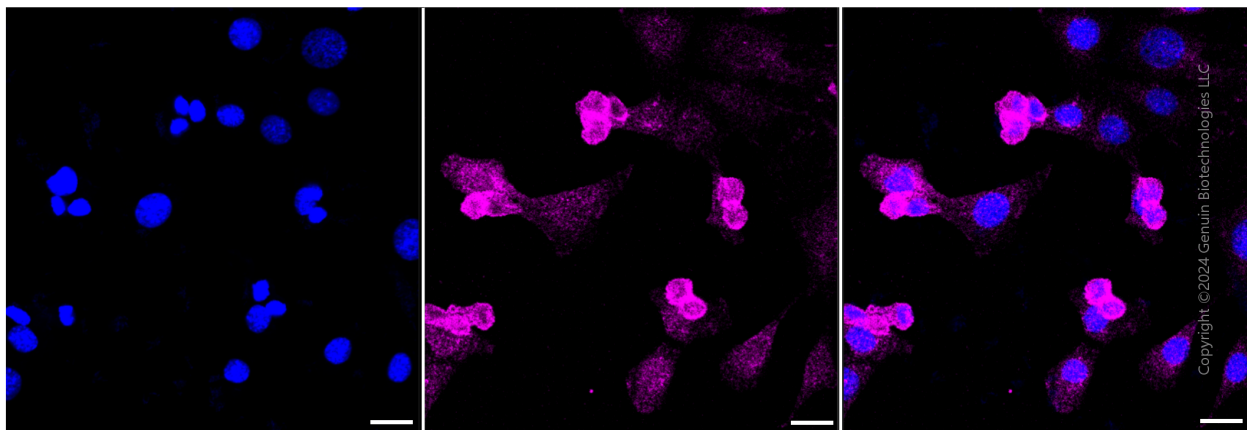
**Note:** This product is for research use only.

## Validation Data



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Flow cytometric analysis of ATG4A expression in C2C12 cells using ATG4A antibody (Cat#1583, 1:2000). Green, isotype control; red, ATG4A.



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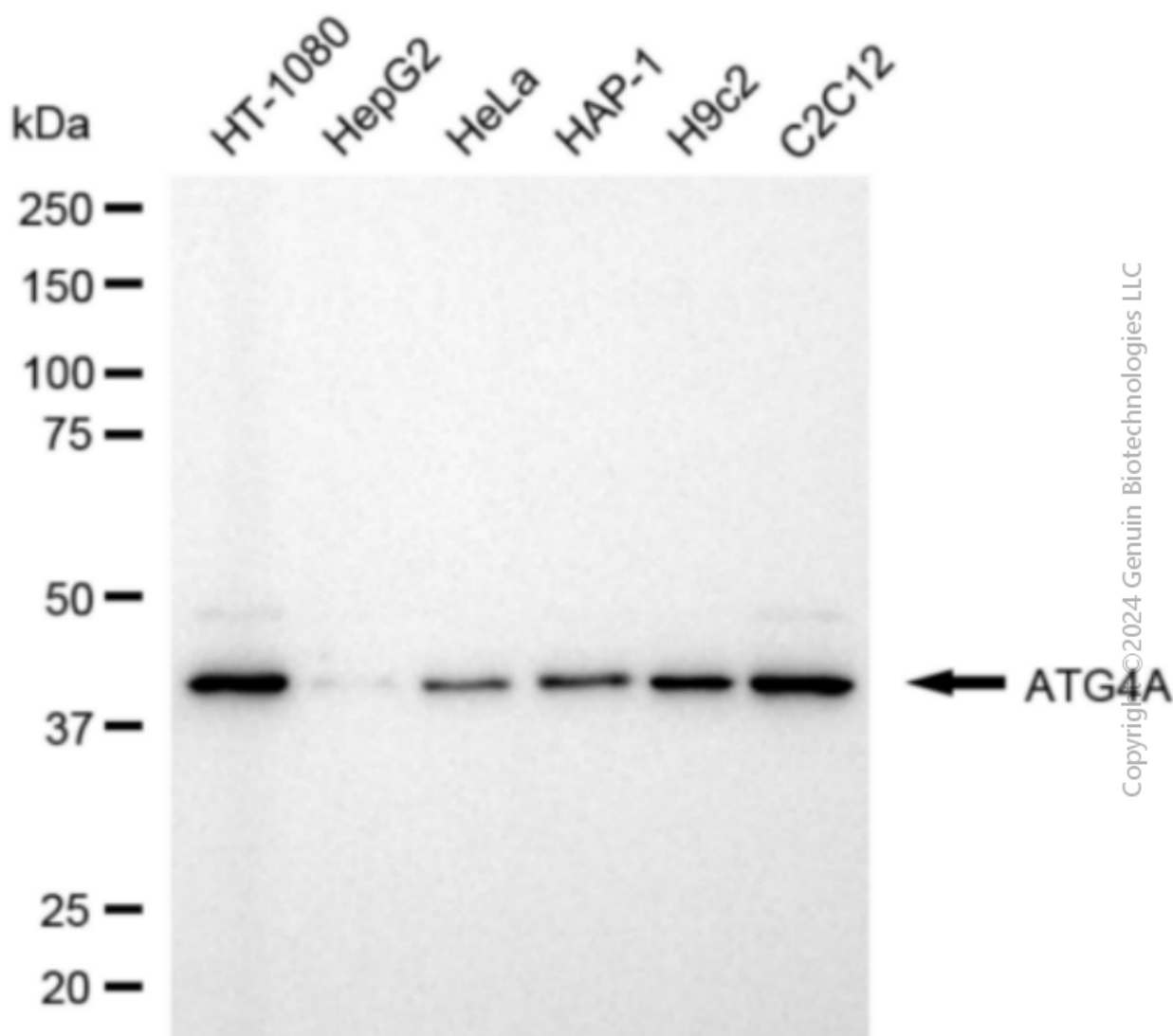
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Immunocytochemical staining of C2C12 cells with ATG4A antibody (Cat#1583, 1:1,000). Nuclei were stained blue with DAPI; ATG4A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis of KDELR2 expression in rat testis (A) whole cell lysates.

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