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Datasheet for ABIN5611293  
**anti-ATG5 antibody (AA 144-275)**

7 Images

Overview

Quantity:	0.1 mg
Target:	ATG5
Binding Specificity:	AA 144-275
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human ATG5 (AA: 144-275) expressed in E. coli.
Clone:	3C7A8
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	ATG5
Alternative Name:	ATG5 ( <a href="#">ATG5 Products</a> )
Background:	Description: The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation,

## Target Details

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mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene.

Aliases: ASP, APG5, APG5L, hAPG5, APG5-LIKE

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Molecular Weight: 32.4 kDa

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Gene ID: 9474

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HGNC: 9474

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Pathways: [Activation of Innate immune Response](#), [Production of Molecular Mediator of Immune Response](#), [Autophagy](#)

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:100 - 1:500, FCM: 1:200 - 1:400, IHC: N/A

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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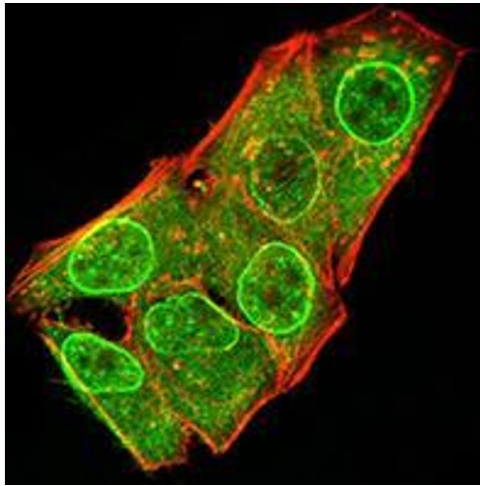
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C/-20 °C

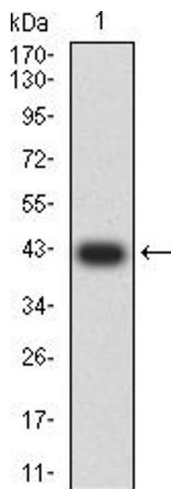
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Storage Comment: 4°C, -20°C for long term storage



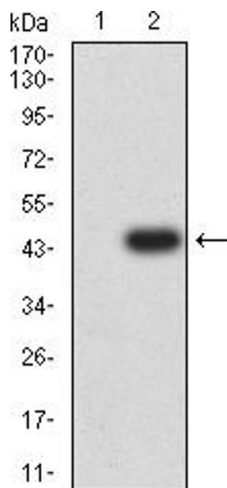
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of HeLa cells using ATG5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



### Western Blotting

**Image 2.** Western blot analysis using ATG5 mAb against human ATG5 (AA: 144-275) recombinant protein. (Expected MW is 41.5 kDa)



### Western Blotting

**Image 3.** Western blot analysis using ATG5 mAb against HEK293 (1) and ATG5 (AA: 144-275)-hlgGfC transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5611293.