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# Datasheet for ABIN7145343 anti-Beclin 1 antibody (AA 1-100)

3 Images



## Overview

Quantity:	100 µg
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Beclin-1 protein (1-100AA)
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

# Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	BECN1 (BECN1 Products)
Background:	Background: Plays a central role in autophagy (PubMed:23184933). Acts as core subunit of the
	PI3K complex that mediates formation of phosphatidylinositol 3-phosphate, different complex

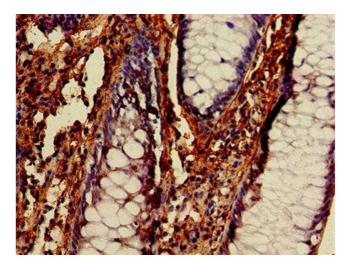
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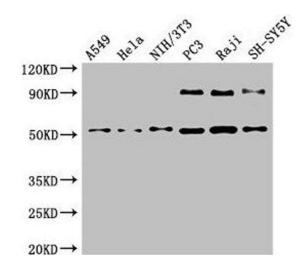
Pathways:	Autophagy
UniProt:	Q14457
	GT197 antibody, Protein GT197 antibody, VPS 30 antibody, VPS30 antibody
	BCL2 interacting protein antibody, Coiled-coil myosin-like BCL2-interacting protein antibody,
	antibody, BECN 1 antibody, Becn1 antibody, BECN1_HUMAN antibody, Coiled coil myosin like
	interacting protein) antibody, Beclin 1 autophagy related antibody, Beclin-1 antibody, Beclin1
	antibody, Bcl-2-interacting protein beclin antibody, Beclin 1 (coiled coil moesin like BCL2
	Aliases: APG6 antibody, ATG 6 antibody, ATG6 antibody, ATG6 autophagy related 6 homolog
	defense.
	neurovirulent strain of Sindbis virus (PubMed:9765397). May play a role in antiviral host
	forms. Involved in endocytosis (PubMed:25275521). Protects against infection by a
	PubMed:20208530). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex
	abcission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123,
	endocytosis. Involved in regulation of degradative endocytic trafficking and required for the
	involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and
	forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is

## **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,
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
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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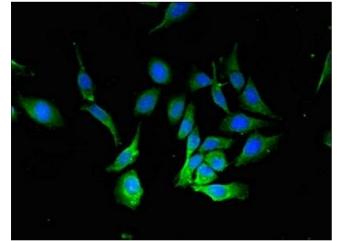


#### Immunohistochemistry

**Image 1.** IHC image of ABIN7145343 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: A549 whole cell lysate, Hela whole cell lysate, NIH/3T3 whole cell lysate, PC-3 whole cell lysate, Raji whole cell lysate, SH-SY5Y whole cell lysate All lanes: BECN1 antibody at 4  $\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 52 kDa Observed band size: 52 kDa



### Immunofluorescence

**Image 3.** Immunofluorescence staining of Hela cells with ABIN7145343 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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