

Datasheet for ABIN657717

anti-Beclin 1 antibody (AA 100-123)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 100-123
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This Beclin 1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-123 amino acids from human Beclin 1.
Clone:	RB34164
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, M, Pig, Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	Belcin 1 (BECN1 Products)

Target Details

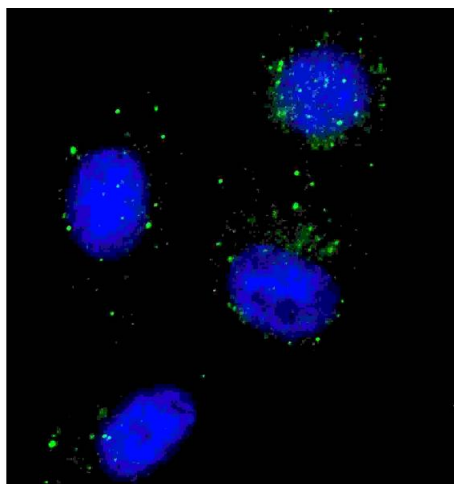
Background:	Beclin-1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration (Zhong et al., 2009 [PubMed 19270693]).[supplied by OMIM].
Molecular Weight:	51896
Gene ID:	8678
NCBI Accession:	NP_003757
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	IF: 1:100. WB: 1:2000
Restrictions:	For Research Use only

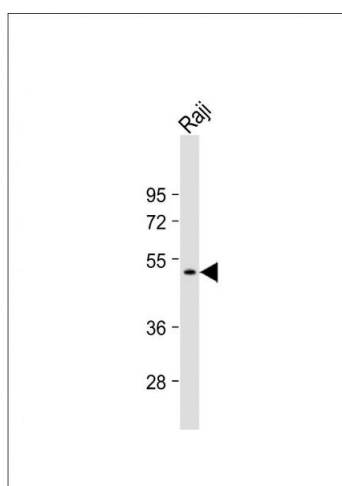
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Belcin 1 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Immunofluorescence

Image 1. Fluorescent image of cells stained with Beclin 1 antibody. cells were treated with Chloroquine (50 μ M, 16h), then fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN657717 and ABIN2846705) Beclin 1 primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/mL, 5 min). Beclin1 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of cells.



Western Blotting

Image 2. Anti-Beclin 1 Antibody at 1:2000 dilution + Raji whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.