

Datasheet for ABIN497977

anti-Beclin 1 antibody (C-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Beclin 1 (BECN1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Beclin-1 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of Human Beclin-1.
Isotype:	IgG
Specificity:	Recognizes Beclin-1 (C-term).
Purification:	Immunoaffinity Chromatography

Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	Beclin-1 (BECN1 Products)
Background:	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-

Target Details

lysosomal pathway is important for normal growth control and may be defective in tumor cells (1,2). Beclin-1, a coiled-coil Bcl-2-interacting protein homologous to the yeast autophagy gene *apg6* (3,4), is a mammalian autophagy gene that can inhibit tumorigenesis and is expressed at reduced levels in human breast carcinoma, suggesting that defects in autophagy proteins may contribute to the development or progression of tumors (5). Bcl-2 can bind to Beclin-1 and inhibit Beclin-1-dependent autophagy in yeast and mammalian cells, suggesting that Bcl-2 functions as an anti-autophagy protein as well as an anti-apoptotic protein, which helps maintain autophagy at levels that are more compatible with cell survival rather than cell death (6).Synonyms: BECN1, Coiled-coil myosin-like BCL2-interacting protein, GT197, Protein GT197

Gene ID: 8678

NCBI Accession: [NP_003757](#)

UniProt: [Q14457](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: ELISA. Western blot: Beclin-1 antibody can be used for the detection of Beclin-1 at 0.5-1 µg/mL. Positive Control: A431 Cell Lysate. Immunocytochemistry. Positive Control: A431 Cell Lysate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % Sodium Azide as preservative

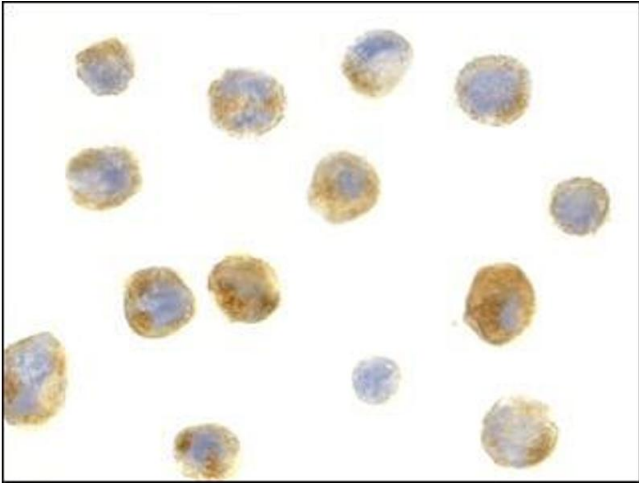
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

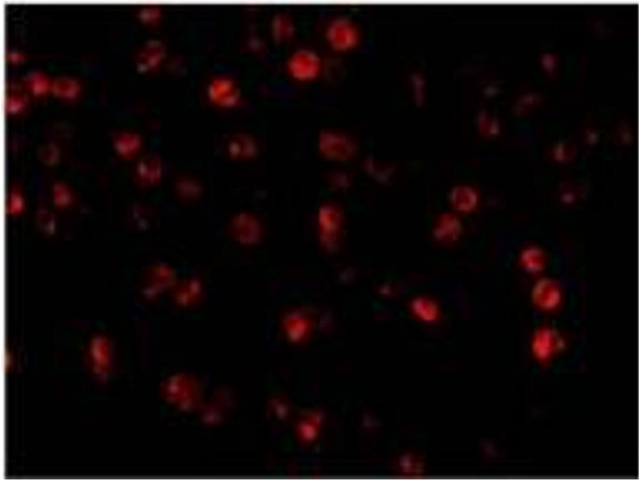
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



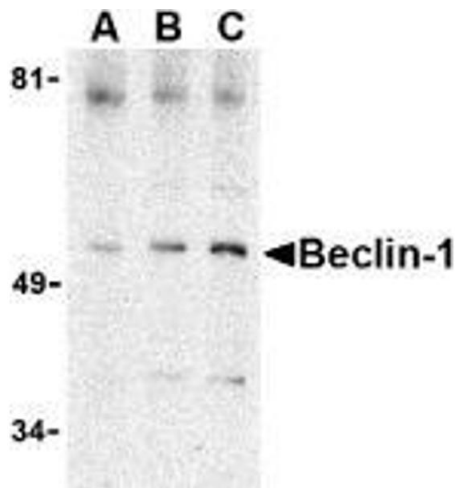
Immunofluorescence

Image 1. AP20057PU-N Beclin-1 antibody staining of A431 cells by Immunocytochemistry at 1 μ g/ml.



Immunofluorescence

Image 2. AP20057PU-N Beclin-1 antibody staining of A431 cells by Immunofluorescence at 2 μ g/ml.



Western Blotting

Image 3. AP20057PU-N Beclin-1 antibody staining of A431 cell lysate by Western Blotting at (A) 0.5, (B) 1 and (C) 2 μ g/ml.