

**Beclin 1 Antibody**  
**Catalog # ASM10490****Specification**

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**Beclin 1 Antibody - Product Information**

|                                       |                                |
|---------------------------------------|--------------------------------|
| Application                           | WB, ICC                        |
| Primary Accession                     | <a href="#">Q14457</a>         |
| Other Accession                       | <a href="#">NP_001300927.1</a> |
| Host                                  | Rabbit                         |
| Reactivity                            | Human                          |
| Clonality                             | Polyclonal                     |
| <b>Description</b>                    |                                |
| Rabbit Anti-Human Beclin 1 Polyclonal |                                |

**Target/Specificity**

Predicted molecular weight at ~51kDa.

**Other Names**

APG6 Antibody, BCL-2 interacting protein beclin Antibody, Beclin 1 autophagy related Antibody, BECN1 Antibody, BECN1\_HUMAN Antibody, GT197 Antibody, VPS30 Antibody

**Immunogen**

Synthetic peptide from the C-terminus of human Beclin 1

**Purification**

Peptide Affinity Purified

Storage -20°C

**Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature Blue Ice or 4°C

**Certificate of Analysis**

A 1:1000 dilution of SPC-601 was sufficient for detection of Beclin1 on 293T lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

Cytoplasm | Golgi apparatus | Trans-Golgi network membrane| Endosome | Endoplasmic reticulum membrane | Mitochondrion | Mitochondrion membrane | Cytoplasmic vesicle | Autophagosome

**Beclin 1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Beclin 1 Antibody - Images****Beclin 1 Antibody - Background**

Beclin 1 is the mammalian ortholog of the yeast autophagy -related gene Atg6. It regulates autophagy and has an important role in development, tumorigenesis and neurodegeneration (1). Beclin 1 is localized within cytoplasmic structures including the mitochondria, yet overexpression reveals some nuclear staining (2). Researchers have found that schizophrenia is associated with low levels of Beclin-1 in the hippocampus (3). It may also protect against infection by a neurovirulent strain of Sindbis virus (4).

**Beclin 1 Antibody - References**

1. Zhong Y., et al. (2009) Nat Cell Biol. 11(4): 468-476.
2. Liang X.H., et al. (2001) Cancer Res. 61: 3443-3449.
3. Merenlender-Wagner A., et al. (2013) Mol. Psychiatry 20:126-132.
4. Liang X.H., et al. (1998) J Virol. 72: 8586-8596.