

**Beclin 2 Antibody**  
**Catalog # ASM10492****Specification**

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**Beclin 2 Antibody - Product Information**

|                                       |                                |
|---------------------------------------|--------------------------------|
| Application                           | <b>WB, ICC</b>                 |
| Primary Accession                     | <a href="#">A8MW95</a>         |
| Other Accession                       | <a href="#">NP_001277622.1</a> |
| Host                                  | <b>Rabbit</b>                  |
| Reactivity                            | <b>Human, Rat</b>              |
| Clonality                             | <b>Polyclonal</b>              |
| <b>Description</b>                    |                                |
| Rabbit Anti-Human Beclin 2 Polyclonal |                                |

**Target/Specificity**

Detects ~48 kDa.

**Other Names**

BECN1P1 Antibody, Beclin-1 autophagy-related pseudogene 1 Antibody, BECN2 Antibody, Beclin-2 Antibody, BECN1L1 Antibody, Beclin-1-like protein 1 Antibody,

**Immunogen**

Synthetic peptide from the C-terminal of Human Beclin 2 (aa. 338-349)

**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-603 was sufficient for detection of Beclin 2 in 15 µg of Human HeLa Cell Lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

Cytoplasm

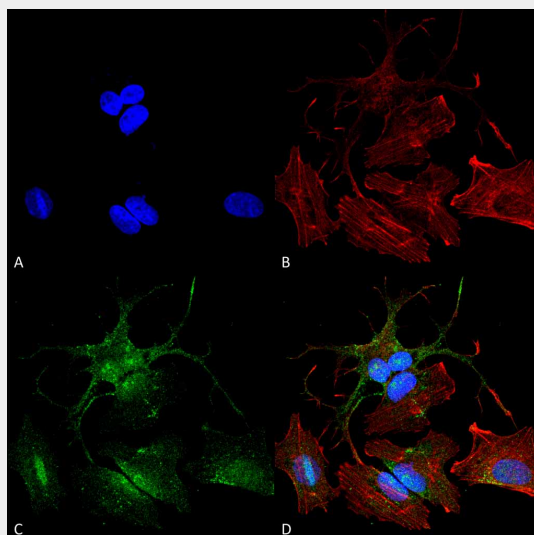
**Beclin 2 Antibody - Protocols**

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

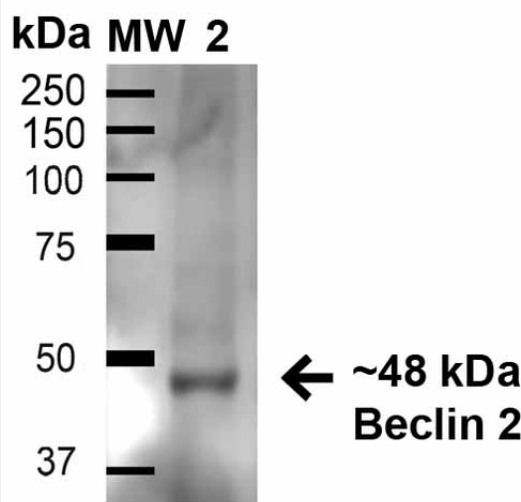
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

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

### Beclin 2 Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Beclin 2 Polyclonal Antibody (ASM10492). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Beclin 2 Polyclonal Antibody (ASM10492) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Beclin 2 Antibody (D) Composite.



Western blot analysis of Rat Liver cell lysates showing detection of 48.1 kDa Beclin 2 protein using Rabbit Anti-Beclin 2 Polyclonal Antibody (ASM10492). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Liver cell lysates. Load: 15  $\mu$ g. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Beclin 2 Polyclonal Antibody (ASM10492) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 48.1 kDa.

### Beclin 2 Antibody - Background

Beclin 2 is a novel coiled-coil protein related to the autophagic Beclin 1 protein. It is thought to interact with Bcl-2, an anti-apoptotic protein, and is believed to function in autophagy. It has also been found to mediate G protein-coupled receptor (GPCR) degradation (1).

**Beclin 2 Antibody - References**

1. He C., et al. (2013) Cell. 154(5): 1085-1099.