

**Product Name: Beclin-1(5C2)Mouse Monoclonal Antibody**  
**Catalog #: AMM07530**

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## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | Beclin-1(5C2)Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody              |
| <b>Host</b>            | Mouse                                  |
| <b>Application</b>     | IHC,WB                                 |
| <b>Reactivity</b>      | Human,Rat,Mouse,Bovine                 |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | BECN1   |
| <b>Alternative Names</b> | BECN1   |
| <b>Gene ID</b>           | 8678.0  |
| <b>SwissProt ID</b>      | Q14457.Synthetic Peptide of Beclin-1 at AA range of 110-190 |

## Application

|                         |                                |
|-------------------------|--------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1000-2000, IHC 1:100-200. |
| <b>Molecular Weight</b> | 60kD                           |

## Background

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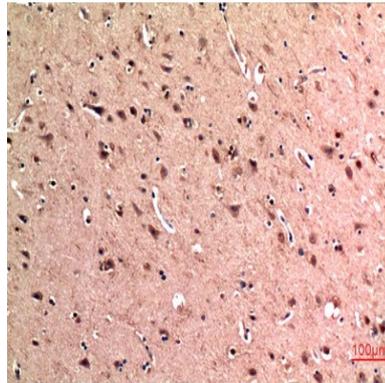
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beclin 1(BECN1) Homo sapiens This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],function:Plays a central role in autophagy (By similarity). May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus.,similarity:Belongs to the beclin family.,subcellular location:Expressed in dendrites and cell bodies of cerebellar Purkinje cells.,subunit:Interacts with GOPC and GRID2. Interacts with AMBRA1. Probably forms a complex with AMBRA1 and PIK3C3 (By similarity). Interacts with BCL2 and BCL2L1.,tissue specificity:Ubiquitous.,

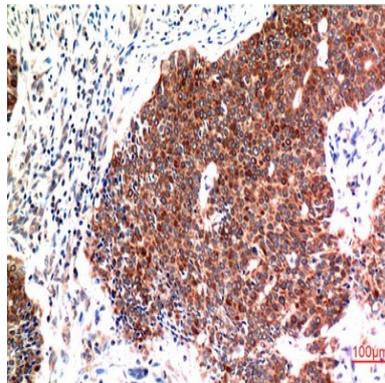
### Research Area

Regulation of autophagy;

### Image Data



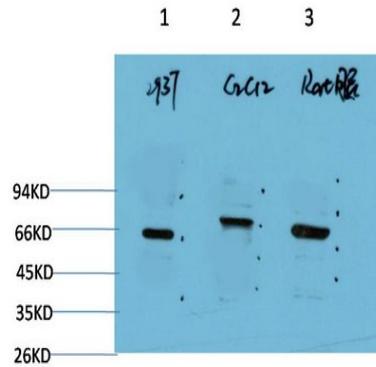
Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using Beclin-1 Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Beclin-1 Mouse mAb diluted at 1:200.

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Western blot analysis of 1) 293T Cell Lysate, 2) C2C12 Cell Lysate, 3) Rat Brain Tissue Lysate using Beclin-1 Mouse mAb diluted at 1:2000.

### **Note**

For research use only.