

## Beclin 1 Mouse mAb

CatalogNo: YM1326

Orthogonal Validated 

Comparable Abs 

Protein Overexpression 

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat, Monkey, Hamster

#### Applications

- WB, IP

#### MW

- 55kD (Observed)

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:1000**

**IP 1:50-200**

### Basic Information

**Clonality** Monoclonal

**Clone Number** 13G2

### Immunogen Information

**Immunogen** Purified recombinant human Beclin 1 protein fragments expressed in E.coli.

**Specificity** This antibody detects endogenous levels of Beclin 1 and does not cross-react with related proteins.

## Target Information

**Gene name** becn1

### Protein Name

**Organism**

**Gene ID**

**UniProt ID**

Human

[8678;](#)

[Q14457;](#)

Mouse

[O88597;](#)

### Cellular Localization

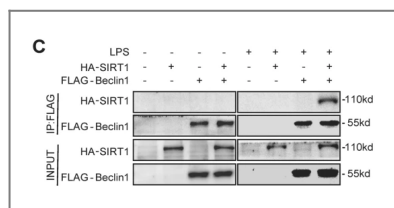
Cytoplasm . Golgi apparatus , trans-Golgi network membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Peripheral membrane protein . Mitochondrion membrane ; Peripheral membrane protein . Endosome . Cytoplasmic vesicle , autophagosome . Interaction with ATG14 promotes translocation to autophagosomes. Expressed in dendrites and cell bodies of cerebellar Purkinje cells (By similarity) . . ; [Beclin-1-C 35 kDa]; Mitochondrion . Nucleus . Cytoplasm . ; [Beclin-1-C 37 kDa]; Mitochondrion .

**Tissue specificity** Ubiquitous.

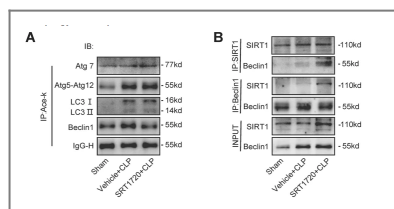
### Function

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. ,

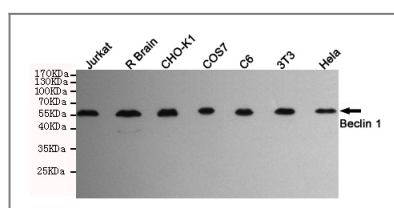
## Validation Data



Deng, Z., Sun, M., Wu, J. et al. SIRT1 attenuates sepsis-induced acute kidney injury via Beclin1 deacetylation-mediated autophagy activation. *Cell Death Dis* 12, 217 (2021).



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Western blot detection of Beclin 1 in HeLa,3T3,C6,COS7,CHO-K1,Rat brain and Jurkat cell lysates using Beclin 1 mouse mAb (1:1000 diluted).Predicted band size:52KDa.Observed band size:55KDa.

## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**Beclin 1 Mouse mAb**

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