

A22359

Leader in Biomolecular Solutions for Life Science



## [KO Validated] Beclin 1 Rabbit mAb

Catalog No.: A22359

**KO** Validated

Recombinant

1 Publications

### Basic Information

#### Observed MW

60kDa

#### Calculated MW

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

#### Clone number

ARC52867

### Background

Beclin 1 plays a central role in autophagy. It acts as core subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. There are two casp cleavage sites in Beclin 1, TDVD(133) and DQLD(149), cleavage at which yields fragments lacking the autophagy-inducing capacity. Noteworthy, the C-terminal fragment, Beclin 1-C, localized predominantly at the mitochondria and sensitized the cells to apoptosis. It induces the mitochondrial translocation of BAX and the release of proapoptotic factors.

### Recommended Dilutions

**WB** 1:10000 - 1:30000

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

### Immunogen Information

**Gene ID**

**Swiss Prot**

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

#### Synonyms

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

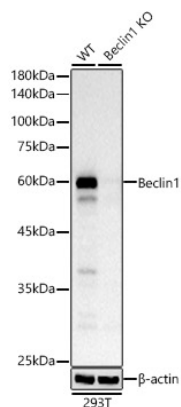
**Purification**

Affinity purification

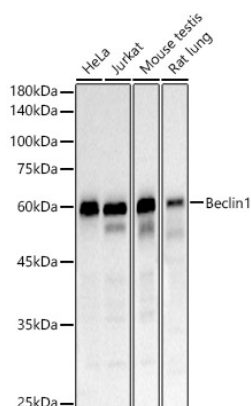
#### Storage

Store at -20°C

## Validation Data



Western blot analysis of lysates from wild type (WT) and Beclin1 knockout (KO) 293T(KO) cells, using [KO Validated] Beclin 1 Rabbit mAb (A22359) at 1:30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Western blot analysis of various lysates, using [KO Validated] Beclin 1 Rabbit mAb (A22359) at 1:30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.