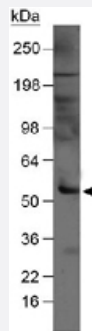


# BECN1 polyclonal antibody

Catalog # PAB12472      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of BECN1 in mouse liver tissue lysate (50 ug) using BECN1 polyclonal antibody (Cat # PAB12472).

## Specification

|                            |                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of BECN1.                                                                     |
| <b>Immunogen</b>           | A synthetic peptide corresponding to amino acids 1-100 of human BECN1.                                                                    |
| <b>Host</b>                | Rabbit                                                                                                                                    |
| <b>Reactivity</b>          | Human, Mouse                                                                                                                              |
| <b>Specificity</b>         | This antibody is specific to human Beclin 1.                                                                                              |
| <b>Form</b>                | Liquid                                                                                                                                    |
| <b>Recommend Usage</b>     | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)                                                                         |
| <b>Storage Instruction</b> | Store at 4°C. Do not freeze.                                                                                                              |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                    |

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of BECN1 in mouse liver tissue lysate (50 ug) using BECN1 polyclonal antibody (Cat # PAB12472).

- Immunohistochemistry
- Immunocytochemistry
- Immunofluorescence

## Gene Info — BECN1

|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">8678</a>                                                                                                                                                |
| Protein Accession# | <a href="#">Q14457</a>                                                                                                                                              |
| Gene Name          | BECN1                                                                                                                                                               |
| Gene Alias         | ATG6, VPS30, beclin1                                                                                                                                                |
| Gene Description   | beclin 1, autophagy related                                                                                                                                         |
| Omim ID            | <a href="#">604378</a>                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                           |
| Gene Summary       | O                                                                                                                                                                   |
| Other Designations | ATG6 autophagy related 6 homolog beclin 1 beclin 1 (coiled-coil, moesin-like BCL2 interacting protein) beclin 1 (coiled-coil, moesin-like BCL2-interacting protein) |

## Publication Reference

- [Role of JNK1-dependent Bcl-2 phosphorylation in ceramide-induced macroautophagy.](#)

Pattingre S, Bauvy C, Carpentier S, Levade T, Levine B, Codogno P.

The Journal of Biological Chemistry 2009 Jan; 284(5):2719.

Application: IP, WB, Human, HeLa, MCF-7 cells

- [Amino acids activate mTOR complex 1 via Ca<sup>2+</sup>/CaM signaling to hVps34.](#)

Gulati P, Gaspers LD, Dann SG, Joaquin M, Nobukuni T, Natt F, Kozma SC, Thomas AP, Thomas G.  
Cell Metabolism 2008 May; 7(5):456.

Application: WB-Tr, Human, HEK 293 cells

- [Loss of macroautophagy promotes or prevents fibroblast apoptosis depending on the death stimulus.](#)

Wang Y, Singh R, Massey AC, Kane SS, Kaushik S, Grant T, Xiang Y, Cuervo AM, Czaja MJ.  
The Journal of Biological Chemistry 2008 Feb; 283(8):4766.

Application: WB-Ce, Mouse, MEFs

- [A human scFv antibody against TRAIL receptor 2 induces autophagic cell death in both TRAIL-sensitive and TRAIL-resistant cancer cells.](#)

Park KJ, Lee SH, Kim TI, Lee HW, Lee CH, Kim EH, Jang JY, Choi KS, Kwon MH, Kim YS.  
Cancer Research 2007 Aug; 67(15):7327.

Application: WB, Human, HC116, U87MG

- [Consequences of the selective blockage of chaperone-mediated autophagy.](#)

Massey AC, Kaushik S, Sovak G, Kiffin R, Cuervo AM.  
PNAS 2006 Apr; 103(15):5805.

## Pathway

- [Regulation of autophagy](#)

## Disease

- [Alzheimer disease](#)
- [Huntington Disease](#)