Datasheet for ABIN5065858

# anti-Beclin 2 antibody (AA 410-421) (Alkaline Phosphatase (AP))

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | Beclin 2 (BECN1L1) |
| Binding Specificity: | AA 410-421 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Beclin 2 antibody is conjugated to Alkaline Phosphatase (AP) |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Immunogen: | Synthetic peptide from the C-terminal of Mouse Beclin 2 (aa. 410-421) |
| Isotype: | IgG |
| Specificity: | Expressed in brain, skeletal muscle, placenta, thymus and uterus. Expressed at a lower level in liver, testis, stomach, and 17-day-old embryos.,Detects ~48 kDa. |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Peptide Affinity Purified |

## Target Details

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|---|---|
| Target: | Beclin 2 (BECN1L1) |
| Alternative Name: | Beclin 2 (BECN1L1 Products) |

## Target Details

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| 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 alson been found to mediate G protein-coupled receptro (GPCR) degradation (1). |
| Gene ID: | 226720 |
| NCBI Accession: | NP_001277621 |
| UniProt: | P0DM65 |

## Application Details

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| Application Notes: | • WB (1:1000)<br>• ICC/IF (1:100)<br>• optimal dilutions for assays should be determined by the user. |
| Comment: | A 1:1000 dilution of ABIN5065858 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. |
| Restrictions: | For Research Use only |

## Handling

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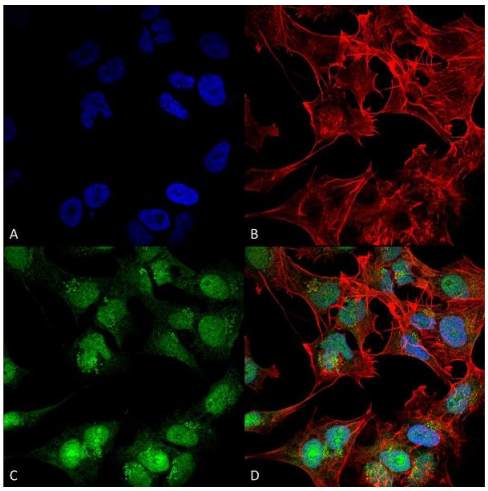
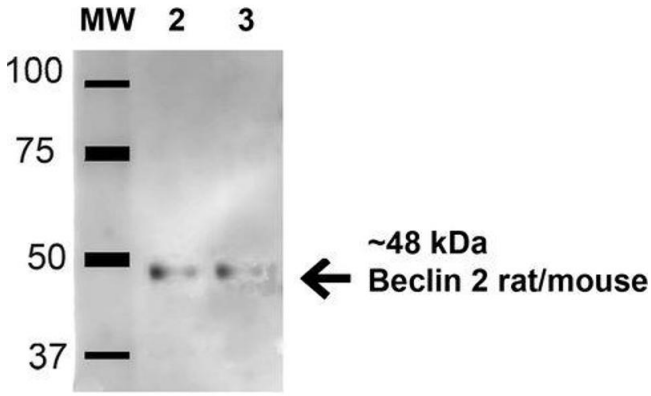
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Conjugated antibodies should be stored at 4°C |



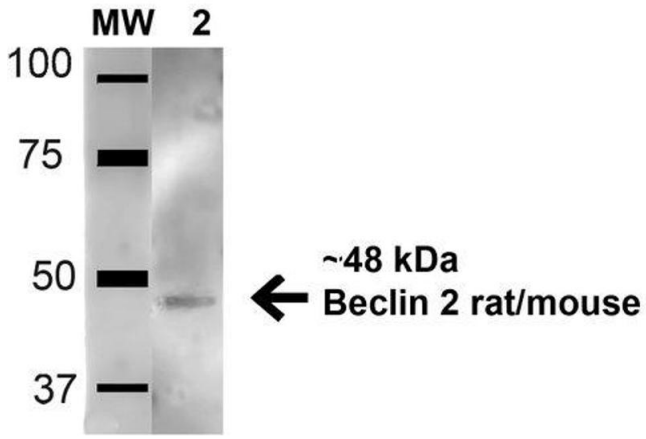

## Immunofluorescence (fixed cells)

**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Beclin 2 Polyclonal Antibody . 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 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, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Beclin 2 Antibody (D) Composite.




## Western Blotting

**Image 2.** Western blot analysis of Human HeLa and 293Trap cell lysates showing detection of 48.1 kDa Beclin 2 protein using Rabbit Anti-Beclin 2 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Human HeLa and 293Trap cell lysates. Load: 15 µg . Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Beclin 2 Polyclonal Antibody 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.




## Western Blotting

**Image 3.** Western blot analysis of Mouse Brain cell lysates showing detection of 48.1 kDa Beclin 2 protein using Rabbit Anti-Beclin 2 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain cell lysates. Load: 15 µg . Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Beclin 2 Polyclonal Antibody 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.

## Images

Predicted/Observed Size: 48.1 kDa.