

Datasheet for ABIN5065853

**anti-Beclin 2 antibody (AA 410-421) (Atto 594)****3** Images[Go to Product page](#)

## Overview

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 Atto 594
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

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

Target:	Beclin 2 (BECN1L1)
Alternative Name:	Beclin 2 ( <a href="#">BECN1L1 Products</a> )

## Target Details

**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 also been found to mediate G protein-coupled receptor (GPCR) degradation (1).

**Gene ID:** 226720

**NCBI Accession:** [NP\\_001277621](#)

**UniProt:** [P0DM65](#)

## Application Details

**Application Notes:**

- WB (1:1000)
- ICC/IF (1:100)
- optimal dilutions for assays should be determined by the user.

**Comment:** A 1:1000 dilution of ABIN5065853 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

**Format:** Liquid

**Concentration:** 1 mg/mL

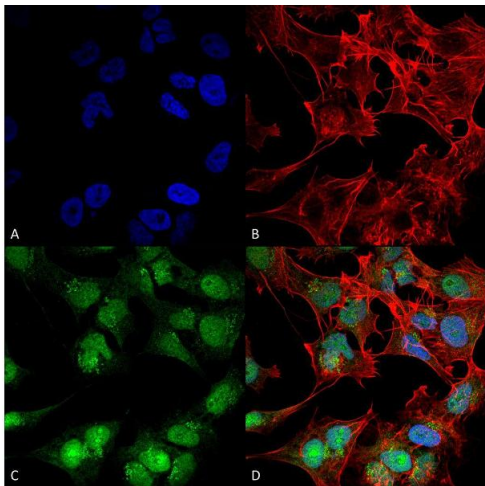
**Buffer:** PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

**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)**

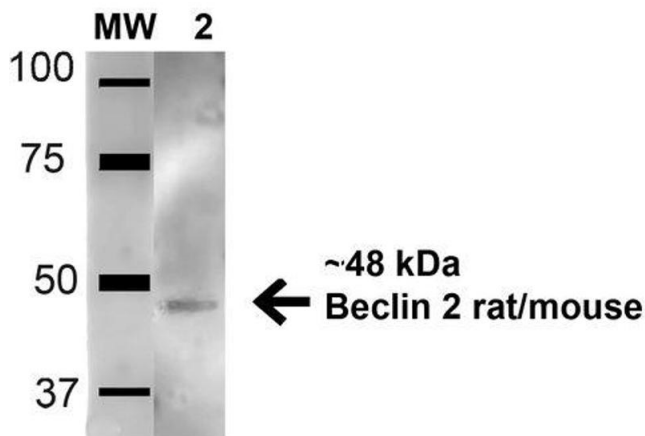
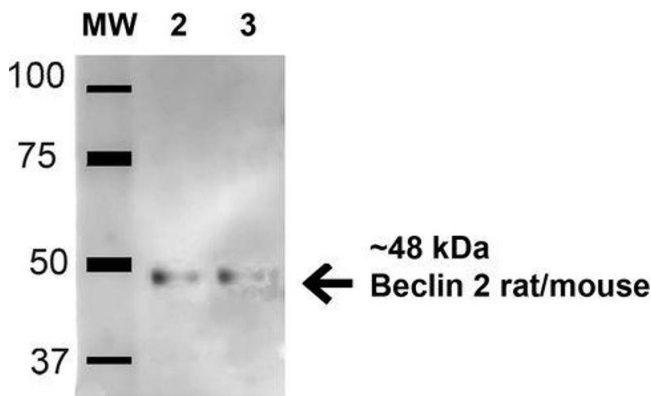
**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Beclin 2 Polyclonal Antibody . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Beclin 2 Polyclonal Antibody at 1:100 for 60 min at RT. Secondary 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.



Predicted/Observed Size: 48.1 kDa.