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Datasheet for ABIN5065832

**anti-Beclin 2 antibody (AA 338-349) (Atto 390)****2** Images

## Overview

Quantity:	100 µg
Target:	Beclin 2 (BECN1L1)
Binding Specificity:	AA 338-349
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 2 antibody is conjugated to Atto 390
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Synthetic peptide from the C-terminal of Human Beclin 2 (aa. 338-349)
Isotype:	IgG
Specificity:	Present in fetal and adult brain (at protein level),,Detects ~48 kDa.
Cross-Reactivity:	Human, Rat
Purification:	Peptide Affinity Purified

## Target Details

Target:	Beclin 2 (BECN1L1)
Alternative Name:	Beclin 2 ( <a href="#">BECN1L1 Products</a> )
Background:	Beclin 2 is a novel coiled-coil protein related to the autophagic Beclin 1 protein. It is thought to

## Target Details

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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: 441925

NCBI Accession: [NP\\_001277622](#)

UniProt: [A8MW95](#)

## Application Details

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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 ABIN5065832 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

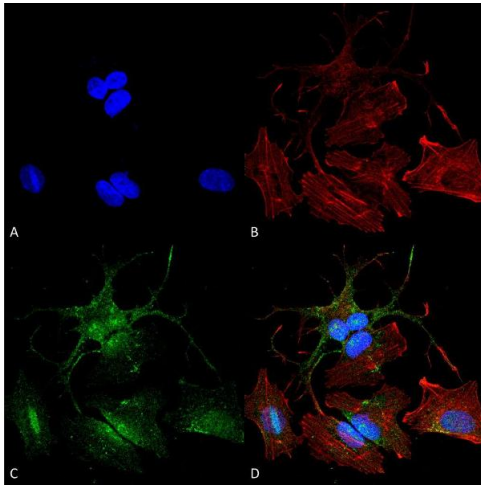
Buffer: PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

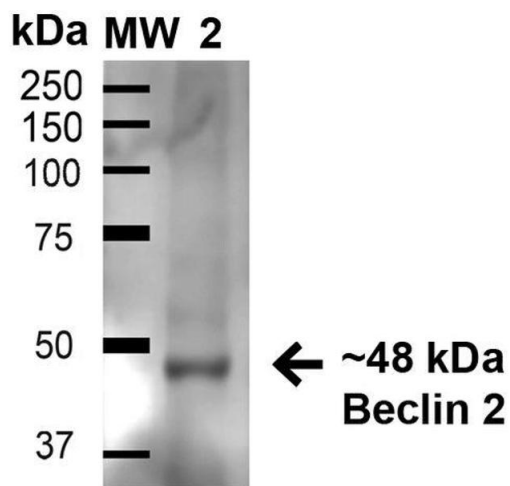
Storage: 4 °C

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. 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 Rat Liver 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: Rat Liver 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.