

Datasheet for ABIN2787861

anti-Beclin 1 antibody (Middle Region)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Rabbit, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human BECN1
Sequence:	ENLEKVQAEA ERLDQEEAQY QREYSEFKRQ QLELDDELKS VENQMRYAQT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against BECN1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Beclin 1 (BECN1)
Alternative Name:	BECN1 (BECN1 Products)

Target Details

Background:	BECN1 plays a central role in autophagy. BECN1 may play a role in antiviral host defense. BECN1 protects against infection by a neurovirulent strain of Sindbis virus. Alias Symbols: ATG6, VPS30, beclin1 Protein Interaction Partner: AMBRA1, PIK3R4, ATG14, CHAF1A, DYNLL1, UVRAG, PIK3CG, PIK3C3, PARK2, DYNC1I1, DAPK1, CDKN2A, BCL2L1, BCL2, BECN1, DACT1, KIAA0226, UBC, RNF2, BRCA1, WASH1, EXOC8, EXOC4, EXOC2, ULK1, ATG3, USP33, S100A8, MCL1, HSPA1A, Vmp1, PYCARD, TAB2, TAB3, GFI1B, ITCH Protein Size: 450
Molecular Weight:	50 kDa
Gene ID:	8678
NCBI Accession:	NM_003766 , NP_003757
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 450 AA
Restrictions:	For Research Use only

Handling

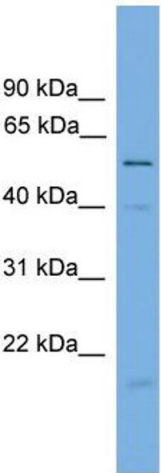
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Lee, Cho, Jung, Tran, Jung, Park, Kim: "Alteration of Phospholipids during the Mitophagic Process in Lung Cancer Cells." in: **Journal of microbiology and biotechnology**, Vol. 26, Issue 10 , pp. 1790-1799, (2016) ([PubMed](#)).

Images



Western Blotting

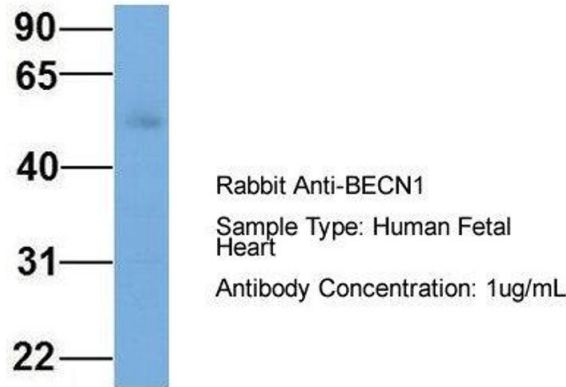
Image 1. WB Suggested Anti-BECN1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: 721_B cell lysate

BECN1



Western Blotting

Image 2. Host: Rabbit

Target Name: BECN1

Sample Tissue: Human Fetal Heart

Antibody Dilution: 1.0 µg/mL