

Datasheet for ABIN6137526
anti-Beclin 1 antibody (AA 1-280)[Go to Product page](#)[1](#) Image [4](#) Publications

Overview

Quantity:	100 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human Beclin 1 (NP_003757.1).
Sequence:	MEGSKTSNNS TMQVSFVCQR CSQPLKLDTS FKILDRVITQ ELTAPLLTTA QAKPGETQEE ETNSGEEPFI ETPRQDGVSR RFIPPARMMS TESANSFTLI GEASDGGTME NLSRRLKVTG DLFDIMSGQT DVDHPLCEEC TDTLLDQLDT QLNVTENECQ NYKRCLEILE QMNEDDSEQL QMELKELALE EERLIQELED VEKNRKIVAE NLEKVQAEAE RLDQEEAQYQ REYSEFKRQQ LELDDELKSV ENQMRYAQTQ LDKLKKTNVF NATFHIWHSG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: Beclin 1 (BECN1)

Alternative Name: BECN1 ([BECN1 Products](#))

Background: This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants.,ATG6,VPS30,beclin1,Beclin 1,BECN1,beclin-1,Epigenetics & Nuclear Signaling,Cancer,Tumor suppressors,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Autophagy,Endocrine & Metabolism,Mitochondrial metabolism,Regulators,BECN1

Molecular Weight: 51 kDa

Gene ID: 8678

UniProt: [Q14457](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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: -20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:

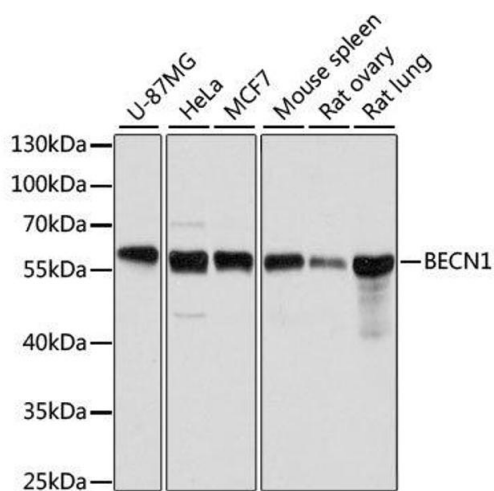
Hang, Zhao, Su, Sun, Chen, Zhao, Du: "Choline Inhibits Ischemia-Reperfusion-Induced Cardiomyocyte Autophagy in Rat Myocardium by Activating Akt/mTOR Signaling." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 45, Issue 5, pp. 2136-2144, (2018) ([PubMed](#)).

Zhu, Li, Ding, Wang: "Autophagy inhibition promotes phagocytosis of macrophage and protects mice from methicillin-resistant staphylococcus aureus pneumonia." in: **Journal of cellular biochemistry**, Vol. 119, Issue 6, pp. 4808-4814, (2018) ([PubMed](#)).

Chen, Jiang, She, Xu, Li, Zhou, Shen, Shi, Liu: "Effects of Cobalt Chloride, a Hypoxia-Mimetic Agent, on Autophagy and Atrophy in Skeletal C2C12 Myotubes." in: **BioMed research international**, Vol. 2017, pp. 7097580, (2018) ([PubMed](#)).

Gou, Zhao, Fan, Yuan, Liao, He, Xu, Chen: "Autophagy induces apoptosis and death of T lymphocytes in the spleen of pigs infected with CSFV." in: **Scientific reports**, Vol. 7, Issue 1, pp. 13577, (2017) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using BECN1 antibody.