



Datasheet for ABIN675384

anti-Beclin 1 antibody (AA 201-330)

8 Images

11 Publications



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Overview

Quantity:	100 µL
Target:	Beclin 1 (BECN1)
Binding Specificity:	AA 201-330
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Beclin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Beclin 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Beclin 1 (BECN1)
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Target Details

Alternative Name:	Beclin 1 (BECN1 Products)
Background:	Synonyms: ATG6, VPS3, beclin1, Beclin-1, Coiled-coil myosin-like BCL2-interacting protein, Protein GT197, BECN1, GT197 Background: Plays a central role in autophagy. Required for the abscission step in cytokinesis. May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus.
Gene ID:	8678
UniProt:	Q14457
Pathways:	Autophagy

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months

Publications

Product cited in: Chen, Chen, Wu, Chou, Chen, Wei, Lee, Hong, Zheng, Chiu, Lin, Hsu, Hsu: "Far-infrared protects vascular endothelial cells from advanced glycation end products-induced injury via PLZF-mediated autophagy in diabetic mice." in: **Scientific reports**, Vol. 7, pp. 40442, (2017) ([PubMed](#)).

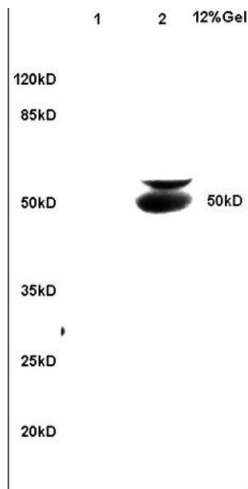
Yang, Wu, Feng, Huang, Liu, Liu, Chen: "Vitamin C plus hydrogel facilitates bone marrow stromal cell-mediated endometrium regeneration in rats." in: **Stem cell research & therapy**, Vol. 8, Issue 1, pp. 267, (2017) ([PubMed](#)).

Tian, Liu, Qu: "Role of endoplasmic reticulum stress on cisplatin resistance in ovarian carcinoma." in: **Oncology letters**, Vol. 13, Issue 3, pp. 1437-1443, (2017) ([PubMed](#)).

Sun, Nie, Wang, Yang, Meng, Xiao, Xiang, Li, Fu, Wang: "Factors that Affect Pancreatic Islet Cell Autophagy in Adult Rats: Evaluation of a Calorie-Restricted Diet and a High-Fat Diet." in: **PLoS ONE**, Vol. 11, Issue 3, pp. e0151104, (2016) ([PubMed](#)).

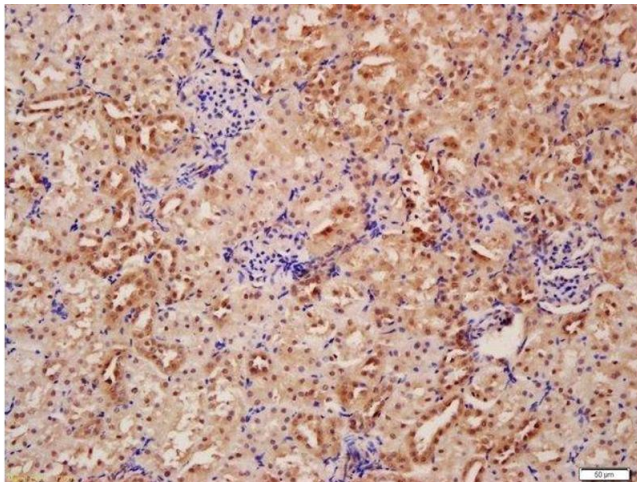
Han, Hu, Qi, Ma, Wang, Ma, Tao, Qin: "Polysaccharides from Polygonatum Inhibit the Proliferation of Prostate Cancer-Associated Fibroblasts." in: **Asian Pacific journal of cancer prevention : APJCP**, Vol. 17, Issue 8, pp. 3829-33, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



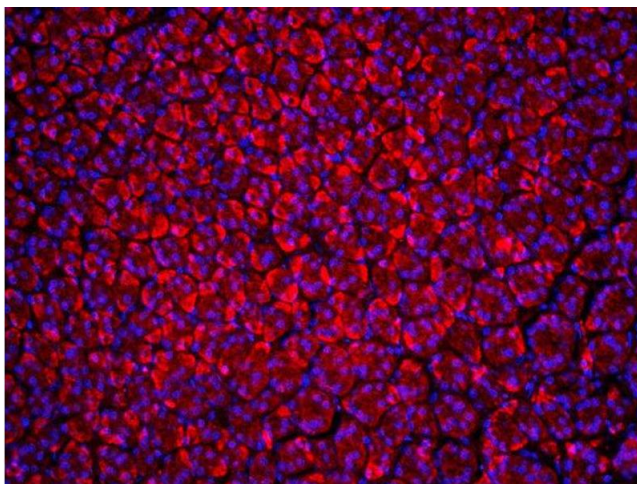
SDS-PAGE

Image 1. Lane 1: mouse brain lysates Lane 2: mouse intestine lysates probed with Anti BECN1/Beclin 1/ATG6 Polyclonal Antibody, Unconjugated (ABIN675384) at 1:200 in 4C. Followed by conjugation to secondary antibody at 1:3000 90min in 37C. Predicted band 50kD.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat kidney labeled with Anti-Beclin 1/ATG6 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin-embedded rat stomach labeled with Anti-Beclin 1/ATG6 Polyclonal Antibody, Unconjugated used at 1:200 dilution for 40 minutes at 37°C.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN675384.