

Rabbit Beclin 1 Polyclonal Antibody | anti-BECN1 antibody

Beclin 1 Antibody

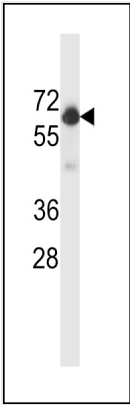
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287779	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat, Xenopus)	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

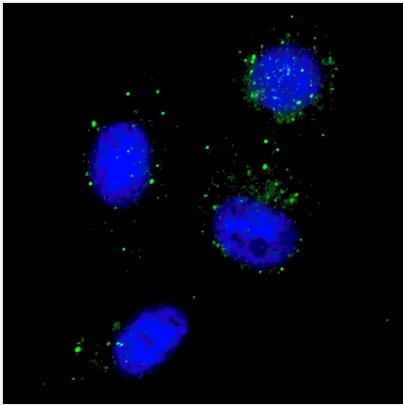
Beclin 1; Polyclonal Antibody; Beclin 1 Antibody; Beclin-1; Coiled-coil myosin-like BCL2-interacting protein; Protein GT197; BECN1; GT197; anti-BECN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Beclin 1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-123 amino acids from human Beclin 1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	100-123
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Beclin 1 Antibody western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the Beclin 1 antibody detected the Beclin 1 protein (arrow).



IF (Immunofluorescence)
Fluorescent image of U251 cells stained with Beclin 1 antibody. U251 cells were treated with Chloroquine (50 uM, 16h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA287779 Beclin 1 primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Beclin1 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Beclin-1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration (Zhong et al., 2009 [PubMed 19270693]).[supplied by OMIM].
Product Categories/Family for anti-BECN1 antibody	Cancer; Metabolism; Microbiology; Neuroscience; Signal Transduction; Loading Control
References	References for protein: 1.Koukourakis, M.I., et al. Br. J. Cancer 103(8):1209-1214(2010) 2.Jaeger, P.A., et al. Arch. Neurol. 67(10):1181-1184(2010) 3. Metzger, S., et al. Hum. Genet. 128(4):453-459(2010) 4.Oberstein, A., et al. J. Biol. Chem. 282(17):13123-13132(2007) 5. Furuya, N., et al. Autophagy 1(1):46-52(2005) References for U251 cell line: 1. Westermarck B.; Pontén J.; Hugosson R. (1973). "Determinants for the establishment of permanent tissue culture lines from human gliomas". Acta Pathol Microbiol Scand A. 81:791-805. [PMID: 4359449]. 2. Pontén, J., Westermarck B. (1978). "Properties of Human Malignant Glioma Cells in Vitro". Medical Biology 56: 184-193.[PMID: 359950]. 3. Geng Y.; Kohli L.; Klocke B.J.; Roth K.A.(2010). "Chloroquine-induced autophagic vacuole accumulation and cell death in glioma cells is p53 independent". Neuro Oncol. 12(5): 473-481.[PMID: 20406898].

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502395
NCBI GeneID	8678
NCBI Accession #	NP_003757.1
NCBI GenBank Nucleotide #	NM_003766.3
UniProt Accession #	Q14457; O75595; Q9UNA8; B2R6N7
Molecular Weight	51896
NCBI Official Full Name	beclin-1
NCBI Official Synonym Full Names	beclin 1, autophagy related

NCBI Official Symbol	BECN1
NCBI Official Synonym Symbols	ATG6; VPS30; beclin1
NCBI Protein Information	beclin-1
UniProt Protein Name	Beclin-1
UniProt Gene Name	BECN1
UniProt Synonym Gene Names	GT197
UniProt Entry Name	BECN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/beclin-1-antibody-western-blot-immunofluorescence-elisa/287779>