

Rabbit Beclin-1 Polyclonal Antibody | anti-BECN1 antibody

Beclin-1 Antibody

CATALOG # AAA302658	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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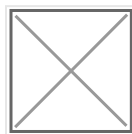
PRODUCT SYNONYMS

Beclin-1; Polyclonal Antibody; Beclin-1 Antibody; Coiled-coil myosin-like Bcl-2-interacting protein; anti-BECN1 antibody

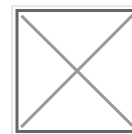
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the amino terminus of human Beclin-1.
Target Name	Beclin-1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of beclin-1 in rat brain tissue with beclin-1 antibody at 2 ug/mL.


WB (Western Blot)

Western blot analysis of Beclin-1 in 293 cell lysate with Beclin-1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody

Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. Beclin-1, a coiled-coil Bcl-2-interacting protein homologous to the yeast autophagy gene apg6, is a mammalian autophagy gene that can inhibit tumorigenesis and is expressed at reduced levels in human breast carcinoma, suggesting that defects in autophagy proteins may contribute to the development or progression of tumors. Bcl-2 can bind to Beclin-1 and inhibit Beclin-1-dependent autophagy in yeast and mammalian cells, suggesting that Bcl-2 functions as an anti-autophagy protein as well as an anti-apoptotic protein, which helps maintain autophagy at levels that are more compatible with cell survival rather than cell death.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16307457
NCBI GeneID	8678
Molecular Weight	51,896 Da
NCBI Official Full Name	Beclin 1, autophagy related
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://stage.aaabiotech.com/polyclonal/beclin-1-antibody-immunohistochemistry-western-blot-elisa/302658>