

Rabbit Beclin-1 Polyclonal Antibody | anti-BECN1 antibody

Beclin-1 Antibody

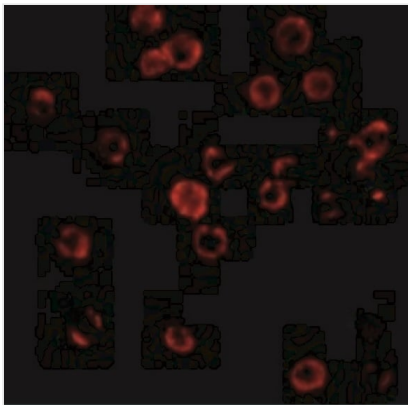
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10959	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

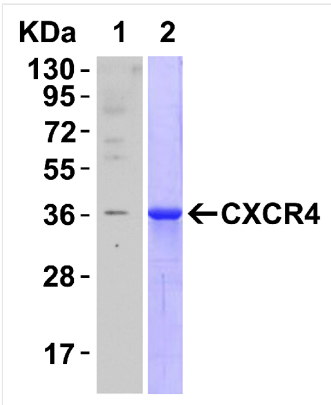
Beclin-1; Polyclonal Antibody; Beclin-1 Antibody; ATG6; VPS30; beclin1; GT197; Coiled-coil myosin-like BCL2-interacting protein; beclin 1; autophagy related; anti-BECN1 antibody

PRODUCT SPECIFICATIONS

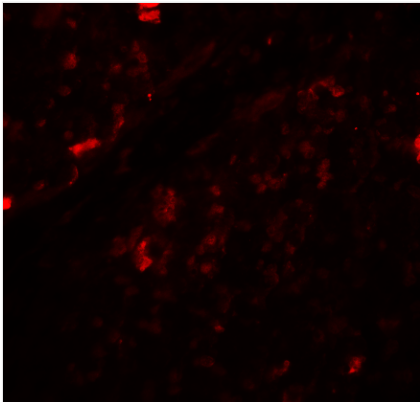
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Beclin-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Beclin-1 antibody can be used for the detection of Beclin-1 by Western blot at 0.5 - 2 mug/mL. Antibody can also be used for immunohistochemistry starting at 2 mug/mL.
Conjugate	Unconjugated
Immunogen	Beclin-1 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human Beclin-1.
Buffer	Beclin-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.



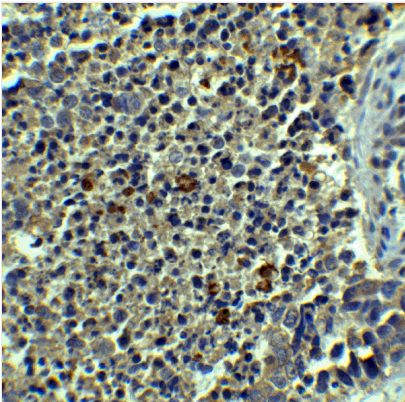
IF (Immunofluorescence)
Immunofluorescence of Beclin-1 in mouse brain tissue with Beclin-1 antibody at 20 μg/ml. Green: Beclin-1 Antibody (3613) Blue: DAPI staining



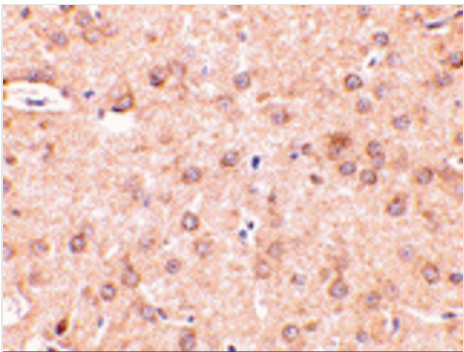
IHC (Immunohistochemistry)
Immunohistochemistry of Beclin-1 in mouse brain tissue with Beclin-1 antibody at 2 μg/ml.



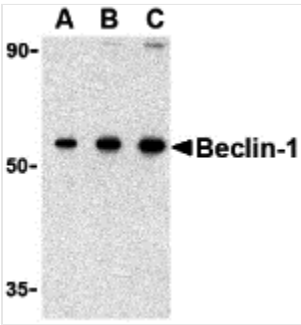
IF (Immunofluorescence)
Immunofluorescence of Beclin-1 in human brain tissue with Beclin-1 antibody at 20 μg/ml.



IHC (Immunohistochemistry)
Immunohistochemistry of Beclin-1 in human brain tissue with Beclin-1 antibody at 2.5 μg/ml.



IHC (Immunohistochemistry)
Immunohistochemistry of beclin-1 in rat brain tissue with beclin-1 antibody at 2 μg/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 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody

Beclin-1 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
UniProt Accession #	Q14457; O75595; Q9UNA8; B2R6N7
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; ATG6 autophagy related 6 homolog; coiled-coil myosin-like BCL2-interacting protein; beclin 1 (coiled-coil, moesin-like BCL2 interacting protein); beclin 1 (coiled-coil, moesin-like BCL2-interacting protein)
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-western-blot-immunohistochemistry-elisa/10959>