Rabbit Beclin1 Polyclonal Antibody | anti-BECN1 antibody

Beclin1

CATALOG #	HOST	APPLICATIONS
AAA47782	**Rabbit**	**Immunofluorescence, Immunoblot, Western Blot**

PRODUCT SYNONYMS

Beclin1; Polyclonal Antibody; anti-BECN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody recognizes human and rat Beclin 1.
Form/Format	Peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Concentration	1mg/ml (varies by lot)
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	IF (Immunofluorescence), IB (Immunoblot)
Antigen	Synthetic peptide corresponding to mid-protein amino acids of human Beclin 1.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

IMAGES

Application Data

Application Data

IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Autophagy is a catabolic process that results in the degradation of bulk cytoplasmic contents within autophagosomes and lysosomes. Beclin 1, the mammalian orthologue of yeast Atg6, has a central role in autophagy. It interacts with several cofactors (Atg14L, UVRAG, Bif-1, Rubicon, Ambra1, HMGB1, nPIST, VMP1, SLAM, IP3R, PINK and survivin) to regulate the lipid kinase Vps-34 protein and promote formation of Beclin 1-Vps34-Vps15 core complexes, thereby inducing autophagy. In contrast, the BH3 domain of Beclin 1 is bound to, and inhibited by Bcl-2 or Bcl-XL. This interaction can be disrupted by phosphorylation of Bcl-2 and Beclin 1, or ubiquitination of Beclin 1. Beclin 1 dysfunction has been implicated in many disorders including cancer and neurodegeneration.

NCBI AND UNIPROT INFORMATION

NCBI GI #	929524267
NCBI GeneID	8678
NCBI Accession #	NP_001300927.1
NCBI GenBank Nucleotide #	NM_001313998.1
UniProt Accession #	Q14457; O75595; Q9UNA8; B2R6N7
Molecular Weight	51,896 Da
NCBI Official Full Name	beclin-1 isoform a
NCBI Official Synonym Full Names	beclin 1
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

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/beclin1-antibody-immunofluorescence-immunoblot-elisa/47782