Rabbit Beclin 1 Polyclonal Antibody | anti-BECN1 antibody

Beclin 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288444	**Rabbit**	**Human, mouse (Predicted Reactivity: Bovine, Chicken)**	**Immunohistochemistry, ELISA, Western Blot**

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

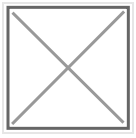
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Beclin 1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-210 amino acids from human Beclin 1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	181-210
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.

IMAGES

IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

WB (Western Blot)
The anti-BECN1 Pab is used in Western blot to detect BECN1 in mouse liver tissue lysate. BECN1(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-hBECN1-Q196 Pab in 293 cell line lysates transiently transfected with the BECN1 gene (2ug/lane). hBECN1-Q196(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Beclin 1 plays a role in two fundamentally important cell biological pathways: autophagy and apoptosis. Beclin 1 is thought to function as a VPS and autophagy protein as part of a complex with Class III PI3 kinase, Vps34.
Product Categories/Family for anti-BECN1 antibody	Cancer; Metabolism; Microbiology; Autophagy
References	Baehrecke EH. Nat Rev Mol Cell Biol. 6(6):505-10. (2005) Lum JJ, et al. Nat Rev Mol Cell Biol. 6(6):439-48. (2005) Greenberg JT. Dev Cell. 8(6):799-801. (2005) Levine B. Cell. 120(2):159-62. (2005) Shintani T and Klionsky DJ. Science. 306(5698):990-5. (2004) Liang,X.H., et al. J. Virol. 72 (11), 8586-8596 (1998) Aita V.M., et al. Genomics 59:59-65(1999).

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://stage.aaabiotech.com/polyclonal/beclin-1-antibody-immunohistochemistry-western-blot-elisa/288444