

Rabbit anti-Human, Rat Beclin 1 Polyclonal Antibody | anti-BECN1 antibody

Rabbit Anti-Human Beclin 1 Polyclonal

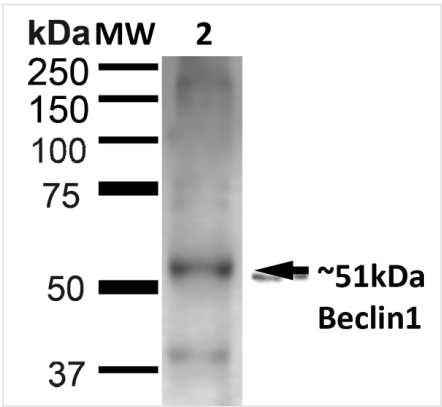
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103829	Rabbit	Human, Rat	Western Blot

PRODUCT SYNONYMS

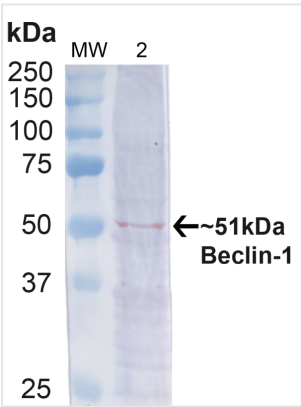
Beclin 1; Polyclonal Antibody; Rabbit Anti-Human Beclin 1 Polyclonal; APG6 Antibody; BCL-2 interacting protein beclin Antibody; Beclin 1 autophagy related Antibody; BECN1 Antibody; BECN1_HUMAN Antibody; GT197 Antibody; VPS30 Antibody; Beclin 1 Antibody : PerCP; Beclin 1 Antibody; anti-BECN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	450
Applicable Applications for anti-BECN1 antibody	WB (Western Blot)
Immunogen	Synthetic peptide from the mid-protein of human Beclin 1
Immunogen Species	Human
COA	A 1:1000 dilution was sufficient for detection of Beclin1 on HeLa cell lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Conjugate	PerCP
Cellular Localization	Cytoplasm, Golgi apparatus, Trans-Golgi network membrane Endosomes, Endoplasmic reticulum membrane, Mitochondrion, Mitochondrion membrane, Cytoplasmic vesicle, Autophagosome
Preparation and Storage	Store at -20 degree C



WB (Western Blot)
Western blot analysis of Rat Liver showing detection of ~51kDa Beclin 1 protein using Rabbit Anti-Beclin 1 Polyclonal Antibody (SPC-600). Lane 1: MW Ladder. Lane 2: Rat Liver (20 ug). Load: 20 ug. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-Beclin 1 Polyclonal Antibody (SPC-600) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~51kDa.



WB (Western Blot)
Western blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of ~51kDa Beclin 1 protein using Rabbit Anti-Beclin 1 Polyclonal Antibody (SPC-600). Lane 1: MW Ladder. Lane 2: Human HeLa (20 ug). Load: 20 ug. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-Beclin 1 Polyclonal Antibody (SPC-600) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~51kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Beclin 1 is the mammalian ortholog of the yeast autophagy -related gene Atg6. It regulates autophagy and has an important role in development, tumorigenesis and neurodegeneration (1). Beclin 1 is localized within cytoplasmic structures including the mitochondria, yet overexpression reveals some nuclear staining (2). Researchers have found that schizopnphrenia is associated with low levels of Beclin-1 in the hippocampus (3). It may also protect against infection by a neurovirulent strain of Sindbis virus (4).
Product Categories/Family for anti-BECN1 antibody	Cancer; Cell Signaling; Epigenetics; Autophagy
References	1. Zhong Y., et al. (2009) Nat Cell Biol. 11(4): 468-476. 2. Liang X.H., et al. (2001) Cancer Res. 61: 3443-3449. 3. Merenlender-Wagner A., et al. (2013) Mol. Psychiatry 20:126-132. 4. Liang X.H., et al. (1998) J Virol. 72: 8586-8596.

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	Predicted molecular weight at ~51kDa. Observed a secondary band on some lysates at ~30kDa.
NCBI Official Full Name	beclin-1 isoform a
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-western-blot-elisa/103829>