

Rabbit Beclin-1 Polyclonal Antibody | anti-BECN1 antibody

Phospho-Beclin-1 (Ser15) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321307	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

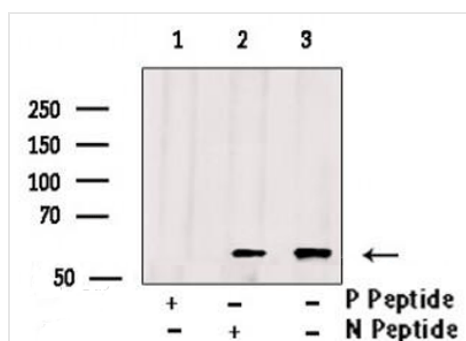
PRODUCT SYNONYMS

Beclin-1; Polyclonal Antibody; Phospho-Beclin-1 (Ser15) Antibody; APG6; ATG 6; ATG6; ATG6 autophagy related 6 homolog; Bcl-2-interacting protein beclin; Beclin 1 (coiled coil moesin like BCL2 interacting protein); Beclin 1 autophagy related; Beclin1; BECN 1; Becn1; BECN1_HUMAN; Coiled coil myosin like BCL2 interacting protein; Coiled-coil myosin-like BCL2-interacting protein; GT197; Protein GT197; VPS 30; VPS30; anti-BECN1 antibody

PRODUCT SPECIFICATIONS

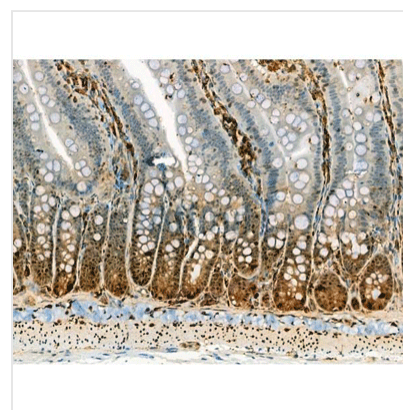
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Phospho-Beclin 1 (Ser15) Antibody detects endogenous levels of Beclin 1 only when phosphorylated at Ser15.
Purity/Purification	Peptide Affinity Purification
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/m (varies by lot)
Applicable Applications for anti-BECN1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Beclin 1 around the phosphorylation site of Ser15.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using Phospho-Beclin-1 (Ser15) Antibody. Lane 1 was treated with phospho-blocking peptide, Lane 2 was treated with non-phospho-blocking peptide.



IHC (Immunohistochemistry)

AAA321307 at 1/100 staining Rat colorectal tissue by IHC-P. This sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BECN1 antibody	Function: Plays a central role in autophagy (PubMed:23184933, PubMed:28445460). Acts as core subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123, PubMed:20208530, PubMed:26783301). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms. Involved in endocytosis (PubMed:25275521). Protects against infection by a neurovirulent strain of Sindbis virus (PubMed:9765397).
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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	60 kDa
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.