Beclin-1 rabbit pAb

Cat No.:ES8481

For research use only

Overview

Product Name	Beclin-1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Chicken
Recommended dilutions	WB 1:500-2000, ELISA 1:10000-20000
Immunogen	Synthesized peptide derived from Beclin-1 . at AA range: 110-190
Specificity	Beclin-1 Polyclonal Antibody detects endogenous levels of Beclin-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Beclin-1
Gene Name	BECN1 GT197
Cellular localization	Cytoplasm . Golgi apparatus, trans-Golgi network membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Peripheral membrane protein . Mitochondrion membrane ; Peripheral membrane protein . Endosome . Cytoplasmic vesicle, autophagosome . Interaction with ATG14 promotes translocation to autophagosomes. Expressed in dendrites and cell bodies of cerebellar Purkinje cells (By similarity). .; [Beclin-1-C 35 kDa]: Mitochondrion . Nucleus . Cytoplasm .; [Beclin-1-C 37 kDa]: Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	8678

Human Swiss-Prot Number	Q14457
Alternative Names	beclin 1, autophagy related
Background	beclin 1(BECN1) Homo sapiens This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],