Best Tools for immunology Research

Beclin-1 protein

Catalog No :	YD0018
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	BECN1
Protein Name :	Beclin-1 protein
Sequence :	Amino acid: 127-268, with his-MBP tag.
Human Gene Id :	8678
Human Swiss Prot No :	Q14457
Mouse Swiss Prot No :	O88597
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20°C/6 month,-80°C for long storage
Background :	function:Plays a central role in autophagy (By similarity). May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus.,similarity:Belongs to the beclin family.,subcellular location:Expressed in dendrites and cell bodies of cerebellar Purkinje cells.,subunit:Interacts with GOPC and GRID2. Interacts with AMBRA1. Probably forms a complex with AMBRA1 and PIK3C3 (By similarity). Interacts with BCL2 and BCL2L1.,tissue specificity:Ubiquitous.,
Function :	autophagic vacuole formation, autophagy, anti-apoptosis, defense response, cellular defense response, vacuole organization, negative regulation of cell proliferation, cellular response to starvation, response to virus, regulation of

catabolic process, positive regulation of catabolic process, response to extracellular stimulus, regulation of autophagy,positive regulation of autophagy, positive regulation of cell communication, regulation of cell death, macroautophagy,positive regulation of macroautophagy, regulation of macroautophagy, regulation of cellular catabolic process, positive regulation of cellular catabolic process, response to nutrient levels, cellular response to extracellular stimulus, cellular response to nutrient levels, regulation of response to external stimulus, positive regulation of response to external stimulus, regulation of response to extracellular stimulus, posit

Subcellular Location :

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 .

Expression :

Ubiquitous.

Products Images