



Beclin-1 Monoclonal Antibody

Catalog No	YP-mAb-00587
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BECN1 GT197
Immunogen	Synthesized peptide derived from Beclin-1 . at AA range: 110-190
Specificity	Beclin-1 Monoclonal Antibody detects endogenous levels of Beclin-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BECN1;Beclin-1-C 37 kDa;Beclin-1-C 35 kDa;Beclin-1;Beclin1;Beclin 1;BECN1 GT197;autophagy related; autophagy related
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	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 .
Tissue Specificity	Ubiquitous.
Function	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.,

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],

matters needing attention

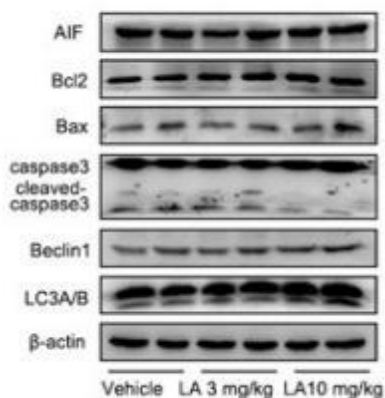
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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Western Blot analysis of various cells using Beclin-1 Monoclonal Antibody