
Product name:	Beclin-1(5C2)Mouse Monoclonal Antibody
Cat number:	MABN07530
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG
Immunogen:	Synthetic Peptide of Beclin-1 at AA range of 110-190
Reactivity:	Human,Rat,Mouse,Bovine
Applications:	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200
Molecular Weight:	60kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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],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.,