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Immunotag™ Beclin-1 mouse Monoclonal Antibody(5A11)

Antibody Specification

Catalog No.	ITM3663
Product Description	Immunotag™ Beclin-1 mouse Monoclonal Antibody(5A11)
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Beclin-1 (5A11)
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	IHC-p
Recommended Dilution	IHC 1:100-200
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Mouse
Immunogen	Synthetic Peptide of Beclin-1 at AA range of 110-190
Specificity	Beclin-1 protein detects endogenous levels of BECN1
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	BECN1
Accession No.	Q14457 O88597 Q91XJ1
Alternate Names	BECN1

Antibody Specification

Description	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],
Cell Pathway/ Category	Regulation of autophagy,
Protein Expression	Brain,Cervix,Mammary gland,
Subcellular Localization	pre-autophagosomal structure,nucleus,mitochondrion,endosome,autophagosome,endoplasmic reticulum,endoplasmic reticulum membrane,trans-Golgi network,cytosol,endosome membrane,cytoplasmic, membrane-bounded vesicle,extrinsic component of membrane,G
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.