

LC3A rabbit pAb

Catalog No :	YT7973
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	LC3A
Fields :	>>Mitophagy - animal;>>Autophagy - animal;>>Ferroptosis;>>Apelin signaling pathway;>>NOD-like receptor signaling pathway;>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis;>>Kaposi sarcoma-associated herpesvirus infection
Gene Name :	MAP1LC3A
Protein Name :	LC3A
Human Gene Id :	84557
Human Swiss Prot No :	Q9H492
Mouse Gene Id :	66734
Mouse Swiss Prot No :	Q91VR7
Rat Gene Id :	362245
Rat Swiss Prot No :	Q6XVN8
Immunogen :	Synthesized peptide derived from human LC3A
Specificity :	This antibody detects endogenous levels of Human LC3A
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	13kD
Background :	function:Probably involved in formation of autophagosomal vacuoles (autophagosomes).,PTM:The precursor molecule is cleaved by APG4B/ATG4B to form the cytosolic form, LC3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, LC3-II.,similarity:Belongs to the MAP1 LC3 family.,subcellular location:LC3-II binds to the autophagic membranes.,subunit:3 different light chains, LC1, LC2 and LC3, can associate with MAP1A and MAP1B proteins.,tissue specificity:Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes.,
Function :	autophagic vacuole formation, proteolysis, autophagy, vacuole organization, macromolecule catabolic process, cellular response to starvation, response to extracellular stimulus, macroautophagy, modification-dependent protein catabolic process, protein catabolic process, response to nutrient levels, cellular response to extracellular stimulus, cellular response to nutrient levels, cellular response to stress, response to starvation, modification-dependent macromolecule catabolic process, cellular protein catabolic process, cellular macromolecule catabolic process,proteolysis involved in cellular protein catabolic process,
Subcellular Location :	Cytoplasmic vesicle, autophagosome membrane ; Lipid-anchor . Endomembrane system ; Lipid-anchor . Cytoplasm, cytoskeleton . LC3-II binds to the autophagic membranes. .
Expression :	Most abundant in heart, brain, liver, skeletal muscle and testis but absent in thymus and peripheral blood leukocytes.
Sort :	9144
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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