



ATG2A Mouse mAb

Catalog No	YP-mAb-19006
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ATG2A KIAA0404
Immunogen	Synthesized peptide derived from human ATG2A
Specificity	This antibody detects endogenous levels of ATG2A at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit 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	BLTP4A;ATG2A;ATG2A KIAA0404;Autophagy-related protein 2 homolog A
Observed Band	213kDa
Calculated Molecular Weight	213kDa
Cell Pathway	Preautophagosomal structure membrane ; Peripheral membrane protein . Lipid droplet . Endoplasmic reticulum membrane ; Peripheral membrane protein . Localizes to endoplasmic reticulum-autophagosome contact sites. .
Tissue Specificity	
Function	Lipid transfer protein involved in autophagosome assembly . Tethers the edge of the isolation membrane (IM) to the endoplasmic reticulum (ER) and mediates direct lipid transfer from ER to IM for IM expansion . Binds to the ER exit site (ERES), which is the membrane source for autophagosome formation, and extracts phospholipids from the membrane source and transfers them to ATG9 (ATG9A or ATG9B) to the IM for membrane expansion . Lipid transfer activity is enhanced by WIPI1 and WDR45/WIPI4, which promote ATG2A-association with phosphatidylinositol 3-monophosphate (PI3P)-containing membranes . Also regulates lipid droplets morphology and distribution within the cell .



Background

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