

ATG2A rabbit pAb

Catalog No :	YN6161
Reactivity :	Human;Mouse
Applications :	WB
Target :	ATG2A
Gene Name :	ATG2A KIAA0404
Protein Name :	Autophagy-related protein 2 homolog A
Human Gene Id :	23130
Human Swiss Prot No :	Q2TAZ0
Mouse Gene Id :	329015
Mouse Swiss Prot No :	Q6P4T0
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
Dilution :	WB 1:500-2000
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 : 213kD

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 .

Subcellular Location : Preautophagosomal structure membrane ; Peripheral membrane protein . Lipid droplet . Endoplasmic reticulum membrane ; Peripheral membrane protein . Localizes to endoplasmic reticulum-autophagosome contact sites. .

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