

Atg16L1 Rabbit mAb

Catalog No: #59470

Package Size: #59470-1 50ul #59470-2 100ul

Description

Product Name	Atg16L1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	Atg16L1 Antibody detects endogenous levels of total Atg16L1
Immunogen Description	A synthesized peptide derived from human Atg16L1
Other Names	APG16 like 1; APG16L; APG16L beta; ATG16A; ATG16L; Atg16L1; IBD10; WD repeat domain 30; WDR30;
Accession No.	Uniprot:Q676U5
Calculated MW	Predicted band size: 68 kDa
SDS-PAGE MW	Observed band size: 68 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

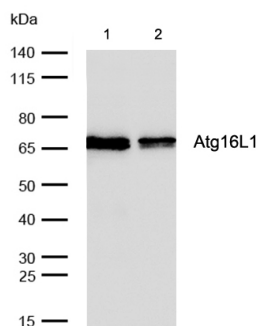
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Atg16L1 Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : 293 whole cell lysates

Lysates/proteins at 20 µg per lane.

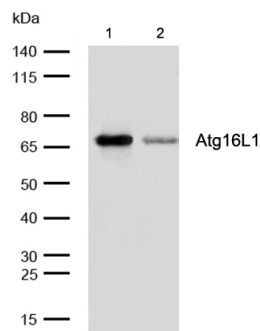
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 68 kDa

Observed band size: 68 kDa

Exposure time: 5 seconds



All lanes: Atg16L1 Rabbit mAb at 1/1k dilution

Lane 1 : Mouse brain lysates Lane 2 : Rat heart lysates

Lysates/proteins at 20 µg per lane.

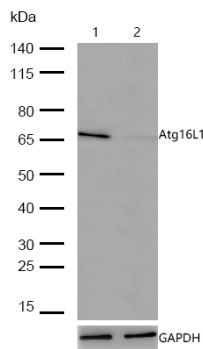
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 68 kDa

Observed band size: 68 kDa

Exposure time: 9 seconds

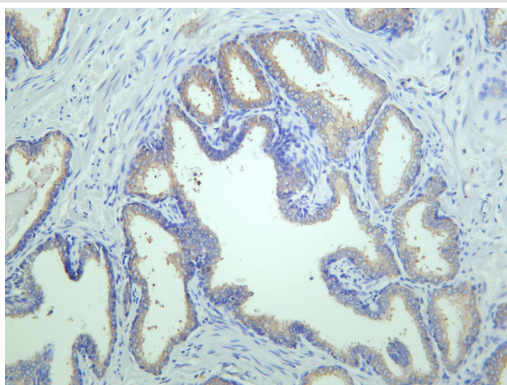


All lanes:Atg16L1 Rabbit mAb at 1/1k dilution

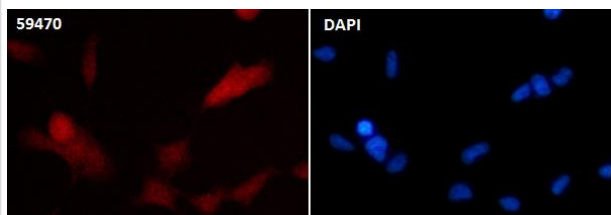
Lane 1 : Wild-type 293T cell lysate

Lane 2 :Atg16L1 Rabbit mAb knockdown 293T cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human prostate tissue stained for Atg16L1 using 59470 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Atg16L1 antibody (59470)

ICC/IF staining of Atg16L1 in 293T cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59470 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal membrane.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.