

Atg4C Rabbit mAb

Catalog No: #59468

Package Size: #59468-1 50ul #59468-2 100ul

Description

Product Name	Atg4C Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	Atg4C Antibody detects endogenous levels of total Atg4C
Immunogen Description	A synthesized peptide derived from human Atg4C
Other Names	APG4C; ATG4C; cysteine endopeptidase; AUT like 1;
Accession No.	Uniprot:Q96DT6
Calculated MW	Predicted band size: 52 kDa
SDS-PAGE MW	Observed band size: 52 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.

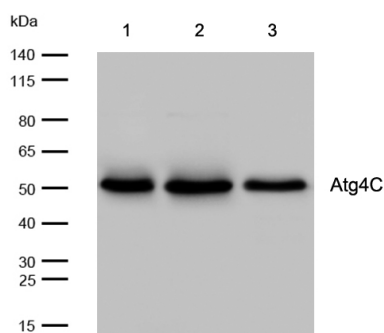
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: Atg4C Rabbit mAb at 1/1k dilution

Lane 1 : HeLa whole cell lysates Lane 2 : JK whole cell lysates

Lane 3 : MCF-7 whole cell lysates

Lysates/proteins at 20 µg per lane.

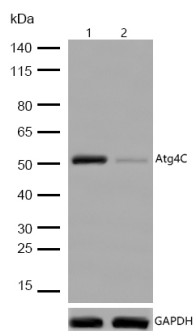
Secondary

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

Predicted band size: 52 kDa

Observed band size: 52 kDa

Exposure time: 3 seconds

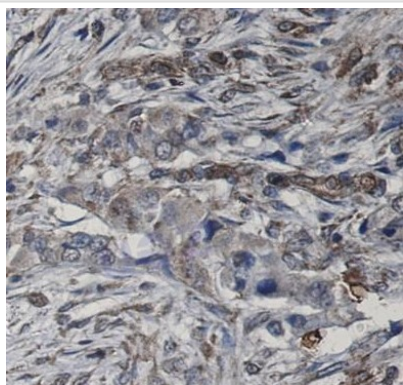


All lanes: Atg4C Rabbit mAb at 1/1k dilution

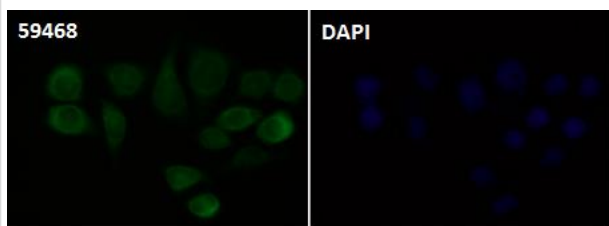
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : Atg4C Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human lung cancer tissue stained for Atg4C using 59468 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Atg4C antibody (59468) ICC/IF staining of Atg4C in HUVEC cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59468 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes.

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