For Research Use Only

CoraLite®594-conjugated ATG4B Monoclonal antibody

Catalog Number:CL594-67727

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Basic Information

Catalog Number:
CL594-67727

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG30510

GenBank Accession Number:
BC000719

GeneID (NCBI):
23192

Full Name:
ATG4 autophagy related 4 homolog B (S. cerevisiae)

Calculated MW:
44 kDa

Observed MW:
44 kDa

Purification Method:
Protein A purification

CloneNo.:
1G5A7

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
593 nm / 614 nm

Applications

Tested Applications:
IF

Species Specificity:
Human, mouse, rat

Positive Controls:

IF : HeLa cells,

Background Information

ATG4B(autophagy 4) is also named as APG4B, AUTL1, KIAA0943 and belongs to the peptidase C54 family. It is a homolog of yeast Apg4, a cysteine protease involved in autophagy and is a cytoplasmic enzyme. This protein is highly expressed in skeletal muscle, with lower expression in heart, liver, and pancreas and no expression is detected in fetal tissues by the northern blot. ATG4B is widely expressed in tumor cell lines (PMID:12446702). It has some isoforms produced by alternative splicing with molecular mass of 31-52 kDa.

Storage

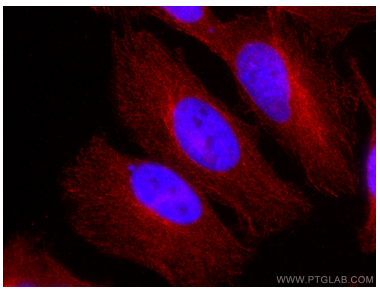
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®594 ATG4B antibody (CL594-67727, Clone: 1G5A7) at dilution of 1:200.