

For Research Use Only

# CoraLite® Plus 488-conjugated LC3 Recombinant antibody

Catalog Number: CL488-81004

Featured Product



## Basic Information

Catalog Number:

CL488-81004

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6144

GenBank Accession Number:

BC067797

GeneID (NCBI):

81631

ENSEMBL Gene ID:

ENSG00000140941

UNIPROT ID:

Q9GZQ8

Full Name:

microtubule-associated protein 1

light chain 3 beta

Calculated MW:

15 kDa

Observed MW:

14-18 kDa

Purification Method:

Protein A purification

CloneNo.:

5P12

Recommended Dilutions:

IF/ICC 1:250-1:1000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, Mouse, Rat, Pig

Positive Controls:

IF/ICC : Chloroquine treated HepG2 cells,

## Background Information

Map1LC3, also known as LC3, is the human homolog of yeast Atg8 and is involved in the formation of autophagosomal vacuoles, called autophagosomes. Three human Map1LC3 isoforms, MAP1LC3A, MAP1LC3B, and MAP1LC3C, undergo post-translational modifications during autophagy. And they differ in their post-translation modifications during autophagy. Map1LC3 also exists in two modified forms, an 18 kDa cytoplasmic form that was originally identified as a subunit of the microtubule-associated protein 1, and a 14-16 kDa form that is associated with the autophagosome membrane.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

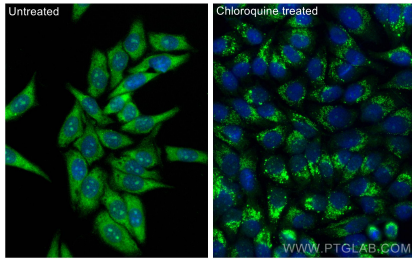
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed Chloroquine treated HepG2 cells using CoraLite® Plus 488 LC3 antibody (CL488-81004, Clone: 5P12 ) at dilution of 1:500.