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# CoraLite® Plus 405-conjugated LC3 Polyclonal antibody

Catalog Number:CL405-14600

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Antibodies | ELISA kits | Proteins
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## Basic Information

Catalog Number:
CL405-14600

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:
Antigen affinity purification

Recommended Dilutions:
FC (Intra): 0.4 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
399 nm / 422 nm

## Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

FC (Intra) : HeLa 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. This antibody can cross react with MAP1LC3A, MAP1LC3B, and MAP1LC3C.

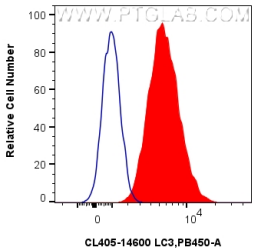
## Storage

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:
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## Selected Validation Data




1x10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 405-conjugated LC3 Polyclonal antibody (CL405-14600)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).