

Product Datasheet

Cleaved LC3B Antibody (orb1933516)

Catalog Number	orb1933516
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	MAP1LC3B (HGNC:13352)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Bovine
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This Cleaved LC3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-122 amino acids from human Cleaved LC3B. Antigen Region: 89-122 aa.
UniProt ID	Q9GZQ8
MW	14688 Da
Tested applications	ICC, IF
Dilution range	IF - 1:10-50, ICC - 1:10-50

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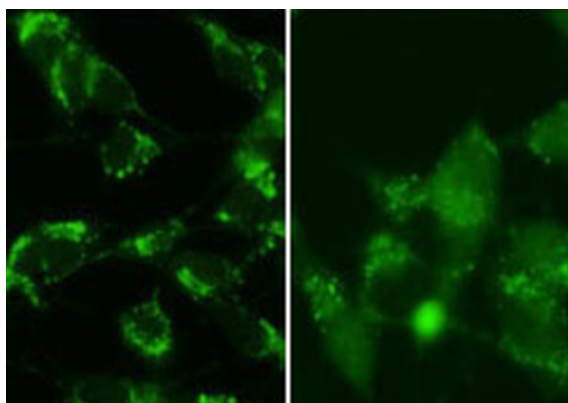
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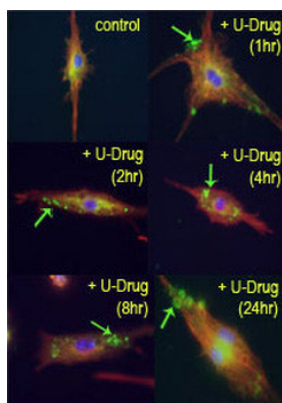
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Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_073729.1
Expiration Date	12 months from date of receipt.



SY5Y cells were pretreated with 5nM bafilomycin for 24hr and fixed in methanol (left panel) or 4% of paraformaldehyde (right panel). Treatment with antibody at dilution 1:100.



Time course study of mouse leukaemic monocyte macrophage cells treated with U18666A, a drug that causes cholesterol and lipid storage in cells, thereby blocking fusion between late endosomes and lysosomes. Cleaved-LC3 (APG8b) antibody detected punctuate staining indicative of autophagic vacuole or phagosome structures.

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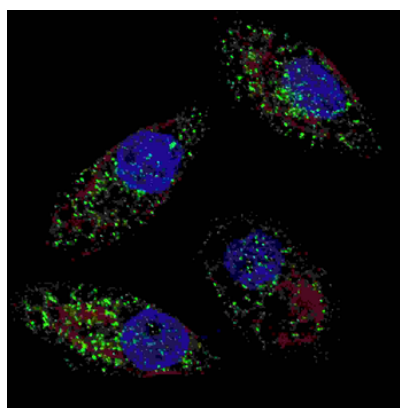
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Fluorescent image of U251 cells stained with cleaved LC3B antibody. U251 cells were treated with Chloroquine (50 μ M, 16 h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with cleaved LC3B primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1 h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/ml, 5 min). LC3 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.

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