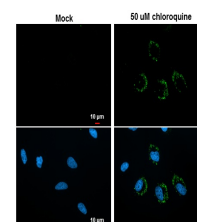


## Product Datasheet

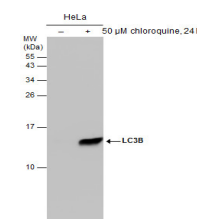
### LC3B antibody [GT3612] GRP81

<b>Description</b>	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component. [provided by RefSeq]
<b>Species/Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ICC, IF, WB
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human LC3B. The exact sequence is proprietary.
<b>Form/Appearance</b>	Liquid: PBS
<b>Concentration</b>	0.43 mg/ml
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Note</b>	For research use only.
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal
<b>Purity</b>	Affinity purified by Protein A.
<b>Clone ID</b>	GT3612
<b>Uniprot ID</b>	<a href="#">Q9GZQ8</a>
<b>Entrez</b>	<a href="#">81631</a>
<b>Dilution Range</b>	WB: 1:500-1:3000, ICC: 1:100-1:1000



LC3B antibody [GT3612] detects LC3B protein at autophagosome by immunofluorescent analysis.

Samples: HeLa cells mock (left) and treated with 50 μM Chloroquine for 24 hr (right) were fixed in 4% paraformaldehyde at RT for 15 min. Green: LC3B protein stained



Untreated (â€“) and treated (+) HeLa whole cell extracts (50 μg) were separated by 15% SDS-PAGE, and the membrane was blotted with LC3B antibody [GT3612] (GRP533) diluted at 1:500.