

## Product datasheet for **CF803408**

### MAP1LC3A Mouse Monoclonal Antibody [Clone ID: OTI4C5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C5
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MAP1LC3A (NP_115903) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	14.1 kDa
Gene Name:	Homo sapiens microtubule associated protein 1 light chain 3 alpha (MAP1LC3A), transcript variant 1, mRNA.
Database Link:	<a href="#">NP_115903</a> <a href="#">Entrez Gene 66734 Mouse</a> <a href="#">Entrez Gene 362245 Rat</a> <a href="#">Entrez Gene 84557 Human</a> <a href="#">Q9H492</a>



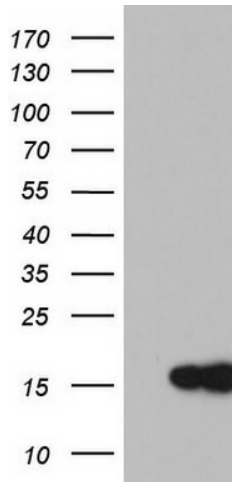
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**Background:**

MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis. [provided by RefSeq, Feb 2012]

**Synonyms:**

ATG8E; LC3; LC3A; MAP1ALC3; MAP1BLC3

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAP1LC3A ([RC202222], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAP1LC3A.