

## LC3A Ab

[References\(3\)](#) [Images\(2\)](#)

Cat.#: DF7421	Concn.: ~1mg/ml	Mol.Wt.: 14kDa
Size:	Source: Rabbit	Clonality: Polyclonal
Application:	WB 1:200-1:500, IHC 1:50-1:100, IF/ICC 1:50-1:200 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human,Mouse,Rat	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human MAP1MAP1LC3A, corresponding to a region within the internal amino acids.	
Uniprot:	Q9H492	
Description:	Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents (1,2). Autophagy is generally activated by conditions of nutrient deprivation but has also been associated with a number of physiological processes including development, differentiation, neurodegenerative diseases, infection and cancer . Autophagy marker Light Chain 3 (LC3) was originally identified as a subunit of microtubule-associated proteins 1A and 1B (termed MAP1LC3) , and subsequently found to contain similarity to the yeast protein Apg8/Aut7/Cvt5 critical for autophagy . Three human LC3 isoforms (LC3A, LC3B, and LC3C) undergo post-translational modifications during autophagy (6-9).	

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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