



Rabbit Anti-MAP1LC3A monoclonal antibody, clone TU58-14 (DCABH-2983)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	MAP1LC3A
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU58-14
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	14 kDa
Cellular Localization	Cytoplasm, Endomembrane system, Cytoplasmic vesicle.
Positive Control	HUVEC, PC12, Hela, SHG-44, mouse brain tissue, human liver tissue, mouse liver tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
----------------	--

BACKGROUND

Introduction	Microtubules, the primary component of the cytoskeletal network, interact with proteins called microtubule-associated proteins (MAPs). The microtubule-associated proteins can be divided into two groups, structural and dynamic. The structural microtubule-associated proteins, MAP-1A, MAP-1B, MAP-2A, MAP-2B and MAP-2C, stimulate tubulin assembly, enhance microtubule stability and influence the spatial distribution of microtubules within cells. Both MAP-1 and, to a greater extent, MAP-2 have been implicated as agents of microtubule depolymerization by suppressing the dynamic instability of the microtubules. The suppression of microtubule dynamic instability by the MAP proteins is thought to be associated with phosphorylation of the MAPs.
Keywords	ATG8E;Autophagy-related protein LC3 A;Autophagy-related ubiquitin-like modifier LC3 A;LC3;LC3A;MAP1 light chain 3 like protein 1;MAP1 light chain 3-like protein 1;MAP1A/1B light chain 3 A;MAP1A/MAP1B LC3 A;MAP1A/MAP1B light chain 3 A;MAP1ALC3;MAP1BLC3;Map1lc3a;Microtubule associated proteins 1A/1B light chain 3;Microtubule-associated protein 1 light chain 3 alpha;Microtubule-associated proteins 1A and 1B, light chain 3;Microtubule-associated proteins 1A/1B light chain 3A;MLP3A_HUMAN antibody