

Datasheet for ABIN7206353
anti-MAP1LC3A antibody[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	MAP1LC3A
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAP1LC3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	LC3A Mouse Monoclonal Antibody (5G10)
Immunogen:	Synthetic Peptide of LC3A
Clone:	5G10
Isotype:	IgG1
Specificity:	LC3A protein detects endogenous levels of LC3A.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

Target Details

Target:	MAP1LC3A
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Target Details

Alternative Name:	LC3A (MAP1LC3A Products)
Background:	Mouse Anti-LC3A Mouse Monoclonal Antibody (5G10), Microtubule-associated proteins 1A/1B light chain 3A, Autophagy-related protein LC3 A, Autophagy-related ubiquitin-like modifier LC3 A, MAP1 light chain 3-like protein 1, MAP1A/MAP1B light chain 3 A, MAP1A/MAP1B LC3 A, Microtubule-associated protein 1 light chain 3 alpha, 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 MAP1LC3A (microtubule associated protein 1 light chain 3 alpha) 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 MAP1LC3A. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis., LC3A
Gene ID:	84557
UniProt:	Q9H492
Pathways:	Autophagy

Application Details

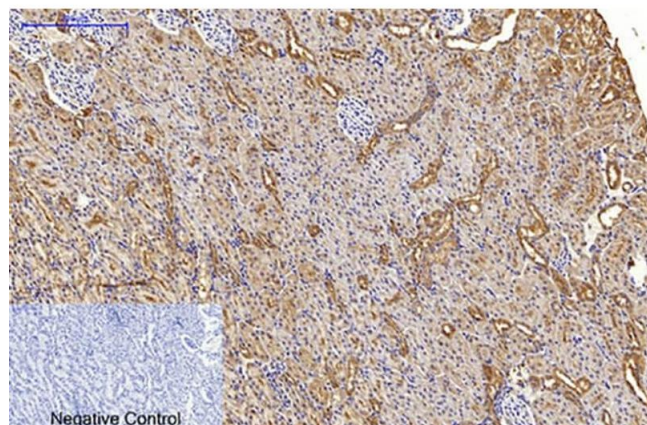
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IF (1:100-1:200), IHC-P (1:100-1:200).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid

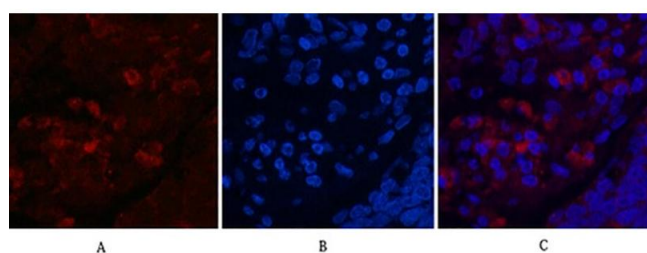
repeated freezing and thawing.

Images



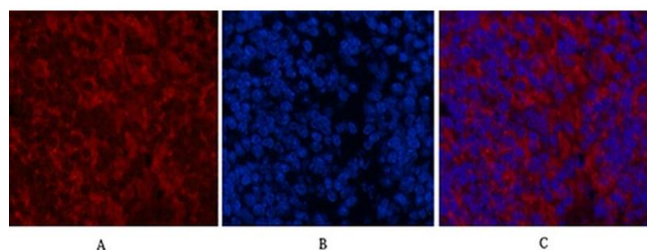
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rat kidney tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunofluorescence

Image 2. Immunofluorescence analysis of human lung cancer tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Immunofluorescence

Image 3. Immunofluorescence analysis of mouse spleen tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7206353.