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Datasheet for ABIN6991933 **anti-LC3C antibody (C-Term)**

Overview

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| Quantity: | 0.1 mg |
| Target: | LC3C (MAP1LC3C) |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LC3C antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | MAP1LC3C antibody was raised against an 18 amino acid peptide near the carboxy terminus of human MAP1LC3C. The immunogen is located within the last 50 amino acids of MAP1LC3C. |
| Isotype: | IgG |
| Specificity: | MAP1LC3C antibody is human, mouse and rat reactive. Multiple isoforms MAP1LC3C are known to exist. MAP1LC3C antibody is predicted to not cross-react with MAP1LC3A or MAP1LC3B. |
| Purification: | MAP1LC3C antibody is affinity chromatography purified via peptide column. |

Target Details

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| Target: | LC3C (MAP1LC3C) |
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Target Details

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| Alternative Name: | MAP1LC3C (MAP1LC3C Products) |
| Background: | Microtubule-associated proteins (MAPs) regulate microtubule stability and play critical roles in neuronal development and plasticity (1). MAP1LC3C belongs to the MAP1 LC3 family of proteins that form mature complexes with MAP1A and MAP1B which are thought to be important in the formation and development of axons and dendrites (2). MAP1LC3C is one of three isoforms of MAP1LC3, the mammalian homolog of yeast ATG8, an essential autophagy protein. These isoforms exhibit distinct expression patterns and MAP1LC3C, like MAP1LC3A but not MAP1LC3B, is post-translationally modified, suggesting the three isoforms may have different physiological functions (3). |
| Molecular Weight: | Predicted: 16 kDa Observed: 16 kDa |
| Gene ID: | 440738 |
| NCBI Accession: | NP_001004343 |
| UniProt: | Q9BXW4 |
| Pathways: | Autophagy |

Application Details

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| Application Notes: | MAP1LC3C antibody can be used for detection of MAP1LC3C by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | MAP1LC3C antibody is supplied in PBS containing 0.02 % sodium azide. |
| Preservative: | Sodium azide |

Handling

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C, 4 °C |
| Storage Comment: | MAP1LC3C antibody can be stored at 4°C for three months and -20°C, stable for up to one year. |