

## Mouse LC3A Monoclonal Antibody | anti-LC3A antibody

LC3A Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                           |
|-----------|-------|-------------------|--------------------------------------------------------|
| AAA173672 | Mouse | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

LC3A; Monoclonal Antibody; LC3A Monoclonal Antibody; 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); anti-LC3A antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Host                                           | Mouse                                                                  |
| Reactivity                                     | Human, Mouse, Rat                                                      |
| Clonality                                      | Monoclonal                                                             |
| Isotype                                        | IgG                                                                    |
| Clone Number                                   | 7E4                                                                    |
| Purity/Purification                            | Protein A Purification                                                 |
| Concentration                                  | 1mg/mL (varies by lot)                                                 |
| Sequence Length                                | 121                                                                    |
| Applicable Applications for anti-LC3A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | Synthetic Peptide of LC3A                                              |
| Buffer                                         | PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4          |
| Conjugation                                    | Unconjugated                                                           |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                     |

### IMAGES



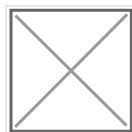
#### IF (Immunofluorescence)

Immunofluorescence analysis of Mouse spleen tissue using LC3A Monoclonal Antibody at dilution of 1:200.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat kidney tissue using LC3A Monoclonal Antibody at dilution of 1:200.



#### WB (Western Blot)

Western Blot analysis of 1) Hela, 2) 3T3, 3) Rat brain using LC3A Monoclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LC3A antibody | 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. |
| Product Categories/Family for anti-LC3A antibody   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 14210522                                                       |
| NCBI GeneID                      | 84557                                                          |
| NCBI Accession #                 | NP_115903.1                                                    |
| NCBI GenBank Nucleotide #        | NM_032514.3                                                    |
| UniProt Accession #              | Q9H492; Q9BXW5; E1P5P4; E1P5P5                                 |
| Molecular Weight                 | 14; 16kDa                                                      |
| NCBI Official Full Name          | microtubule-associated proteins 1A/1B light chain 3A isoform a |
| NCBI Official Synonym Full Names | microtubule associated protein 1 light chain 3 alpha           |
| NCBI Official Symbol             | MAP1LC3A                                                       |
| NCBI Official Synonym Symbols    | LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3                           |
| NCBI Protein Information         | microtubule-associated proteins 1A/1B light chain 3A           |
| UniProt Protein Name             | Microtubule-associated proteins 1A/1B light chain 3A           |
| UniProt Gene Name                | MAP1LC3A                                                       |
| UniProt Synonym Gene Names       | MAP1A/MAP1B LC3 A                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lc3a-antibody-clone-7e4-immunofluorescence-immunohistochemistry-western-blot-elisa/173672>