Product Datasheet

LC3 Antibody Pack
NB910-40752SuperNovusPack

Unit Size: 3 Vials

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Publications: 3

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Updated 5/25/2020 v.20.1

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### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>3 Vials</th>
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<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.</td>
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<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.</td>
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### Product Description

<table>
<thead>
<tr>
<th><strong>Gene ID</strong></th>
<th>81631</th>
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<tbody>
<tr>
<td><strong>Gene Symbol</strong></td>
<td>MAP1LC3B</td>
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<tr>
<td><strong>Species</strong></td>
<td>Human, Mouse</td>
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<tr>
<td><strong>Kit Components</strong></td>
<td>NB100-2220 (LC3B/MAP1LC3B antibody), NB100-2331 (LC3/MAP1LC3A Antibody), NB600-1384 (LC3B/MAP1LC3B Antibody), NB600-1384: LC3B Antibody, NB100-2331: LC3A Antibody, NB100-2220: LC3B Antibody</td>
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<tr>
<td><strong>Notes</strong></td>
<td>1 vial each of: NB100-2220 (0.1ml), NB100-2331 (0.1ml) and NB600-1384 (0.1ml).</td>
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### Product Application Details

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<tr>
<th><strong>Applications</strong></th>
<th>Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry</th>
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<tr>
<td><strong>Recommended Dilutions</strong></td>
<td>Western Blot, Immunohistochemistry, Immunocytochemistry/Immunofluorescence</td>
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### Images

**Knockout Validated: LC3 Antibody Pack [NB910-40752]** - Lysates of HeLa parental cell line and LC3B knockout HeLa cell line (KO) untreated (-) or treated (+) with 50 μM Chloroquine for 18 hours. PVDF (Polyvinylidene difluoride) membrane was probed with 0.5 μg/mL of Rabbit Anti-LC3B Polyclonal Antibody (Catalog # NB100-2220) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog# HAF008). A specific band was detected for LC3B at a molecular weight of approximately 15 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. GAPDH is shown as a loading control. This experiment was conducted under reducing conditions. LC3B Antibody [NB100-2220]

**Immunohistochemistry: LC3 Antibody Pack [NB910-40752]** - Autophagosomes accumulate in neurons of the VH gray matter at day 1 after SCI. Representative images of IHC staining for LC3 (green) and neuronal marker NeuN (red) in VH of gray matter from sham and SCI animals. Stronger co-localization between NeuN and LC3 is apparent at day 1 after SCI. Scale bar is 20 μm. Image collected and cropped by CiteAb from the following publication ([//www.nature.com/articles/cddis2014527](//www.nature.com/articles/cddis2014527)) licensed under a CC-BY licence. LC3B Antibody [NB100-2220]
Immunohistochemistry: LC3 Antibody Pack [NB910-40752] - Analysis in mouse renal tissue. Image from verified customer review. LC3A Antibody [NB100-2331]


Immunocytochemistry/Immunofluorescence: LC3 Antibody Pack [NB910-40752] - LC3/MAP1LC3A Antibody Pack [NB910-40752] - Immunofluorescent staining of treated U373-MG cells using NB600-1384. The nuclei were stained with DAPI.

Western Blot: LC3/MAP1LC3A Antibody Pack [NB910-40752] - Detection of autophagic LC3 in mouse ES cell lysate using NB 100-2331. The atg5-/- lane (ES cells, cultured to form embryonic bodies, that are deficient in conversion of LC3-1 to LC3-11) demonstrates the specificity of NB 100-2331, as there is no detection of LC3-11. Photo courtesy of Dr. Beth Levine, UT Southwestern Medical Center.
**Publications**


Details:
LC3 antibody used for WB on detergent-soluble fractions of the cerebellum from 12- and 24-month-old arylsulfatase G/Arsg KO mice, a model resembling Sanfilippo syndrome animal models (Figure 6)

**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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