

Product Datasheet

LC3B Antibody (1251B) - Azide and BSA Free NBP2-80831

Unit Size: 0.1 mg

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

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NBP2-80831

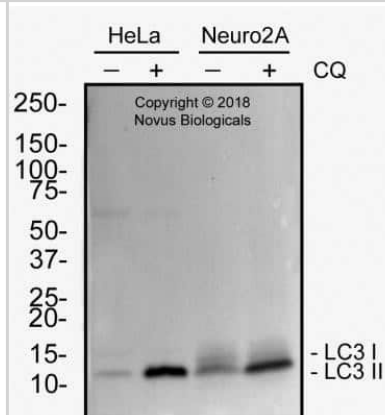
LC3B Antibody (1251B) - Azide and BSA Free

| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 1251B |
| Preservative | No Preservative |
| Isotype | IgG |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Target Molecular Weight | 14.688 kDa |
| Product Description | |
| Description | Novus Biologicals Knockout (KO) Validated Rabbit LC3B Antibody (1251B) - Azide and BSA Free (NBP2-60735) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 81631 |
| Gene Symbol | MAP1LC3B |
| Species | Human, Mouse, Rat |
| Immunogen | Recombinant monoclonal LC3B Antibody (1251B) was made to a synthetic peptide made to an N-terminal portion of the human LC3B protein sequence (between residues 1-100). [UniProt# Q9GZQ8]. |
| Product Application Details | |
| Applications | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated |
| Recommended Dilutions | Western Blot 0.1 ug/ml, Simple Western 5 ug/ml, Immunohistochemistry 2 - 5 ug/ml, Immunocytochemistry/ Immunofluorescence 1 - 25 ug/ml, Immunohistochemistry-Paraffin 2 - 5 ug/ml, Flow (Intracellular) 1 ug/ml, Knockout Validated |
| Application Notes | Western blot bands are seen at ~19 kDa, representing LC3-I, and ~17 kDa, representing LC3-II. |

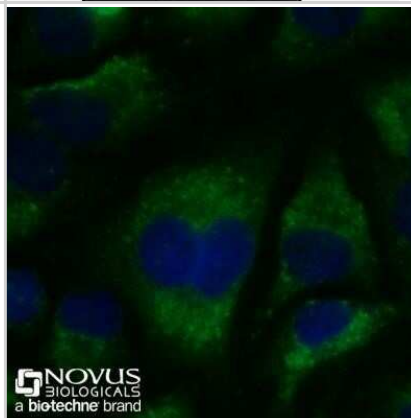


Images

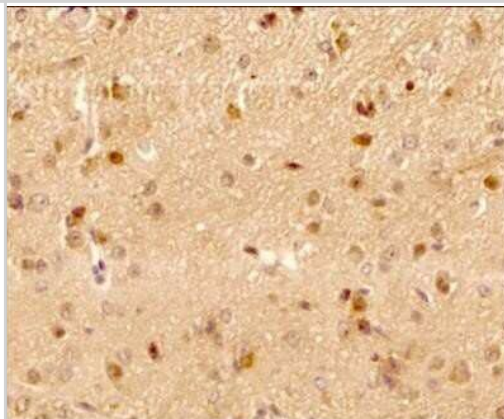
Western Blot: LC3B Antibody (1251B) - Azide and BSA Free [NBP2-80831] - Total protein from HeLa and Neuro2A cells treated with or without 50 μ M chloroquine (CQ) for 24 hours was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 μ m PVDF (Polyvinylidene difluoride) membrane and blocked in 5% non-fat milk in TBST (Tris-buffered saline, 0.1% Tween 20). The membrane was probed with 12.0 μ g/ml anti-LC3B Antibody (1251B) [Catalog # NBP2-60735] in 1% non-fat milk in TBST and detected with an anti-rabbit HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



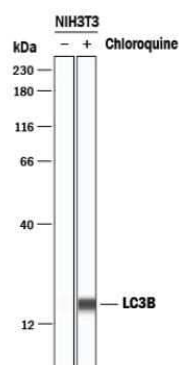
Immunocytochemistry/Immunofluorescence: LC3B Antibody (1251B) - Azide and BSA Free [NBP2-80831] - HeLa cells were treated with 50 μ M CQ (Chloroquine) overnight, fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti- [Catalog # NBP2-60735] at 2 μ g/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



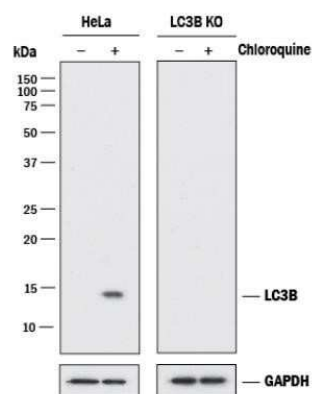
Immunohistochemistry: LC3B Antibody (1251B) - Azide and BSA Free [NBP2-80831] - Analysis of a FFPE (Formalin-Fixed Paraffin-Embedded) tissue section of mouse brain using anti-LC3B antibody (clone 1251B) [Catalog # NBP2-60735] at 5 μ g/ml concentration (1:200 dilution). The primary antibody binding to LC3 in cells was detected using HRP



Simple Western: LC3B Antibody (1251B) - Azide and BSA Free [NBP2-80831] - Lane view shows lysates of NIH-3T3 mouse embryonic fibroblast cell line untreated (-) or treated (+) with 50 μ M Chloroquine for 18 hours, loaded at 0.2 mg/mL. A specific band was detected for LC3B at approximately 17 kDa (as indicated) using 5 μ g/mL of Rabbit Anti-Human/Mouse/Rat anti-LC3B Monoclonal Antibody (1251B) [Catalog # NBP2-60735]. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system. Image from the standard format of this antibody.



Western Blot: LC3B Antibody (1251B) - Azide and BSA Free [NBP2-80831] - Western blot analysis of HeLa human cervical epithelial carcinoma parental cell line and LC3B knockout HeLa cell line (KO) untreated (-) or treated (+) with 50uM Chloroquine for 18 hours. PVDF (polyvinylidene difluoride) membrane was probed with 0.1 ug/mL of anti-LC3B monoclonal antibody (Catalog # NBP2-60735) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for LC3B at approximately 15 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. GAPDH (Catalog # AF5718) is shown as a loading control. Image from the standard format of this antibody.





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Products Related to NBP2-80831

| | |
|-------------|---|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

Limitations

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

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