

Product Datasheet

LC3B Antibody (1251D) - Azide and BSA Free NBP2-80830

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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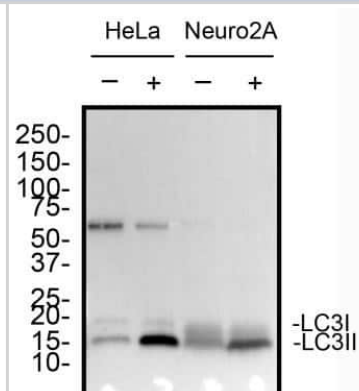
NBP2-80830

LC3B Antibody (1251D) - Azide and BSA Free

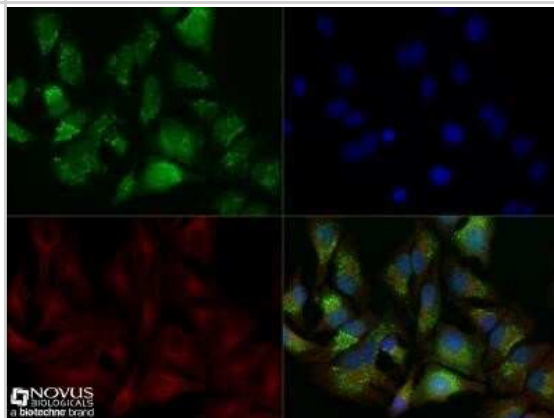
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1251D
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	14.688 kDa
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit LC3B Antibody (1251D) - Azide and BSA Free (NBP2-59800) 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 (1251D) 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 1 - 2 ug/ml, Simple Western 5 ug/ml, Immunohistochemistry 2 - 5ug/ml, Immunocytochemistry/ Immunofluorescence 5 ug/ml, Immunohistochemistry-Paraffin 2 - 5ug/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

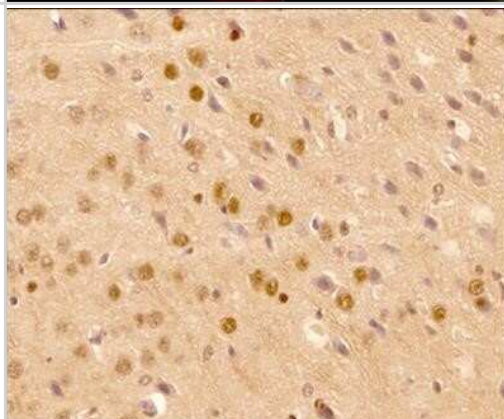
Western Blot: LC3B Antibody (1251D) - Azide and BSA Free [NBP2-80830] - Total protein from HeLa and Neuro2A cells treated with or without 50 μ M chloroquine for 24 hrs was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 μ m PVDF (Polyvinylidene difluoride) membrane and blocked in 5% non-fat milk in TBST (Tris-buffered saline, 0.1% Tween 20). The membrane was probed with 2.0 μ g/ml anti-LC3B Antibody (1251d) [Catalog # NBP2-59800] in blocking buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence. Note the detection of LC3I and LC3II at a molecular weight of approximately 15 kDa. Image from the standard format of this antibody.



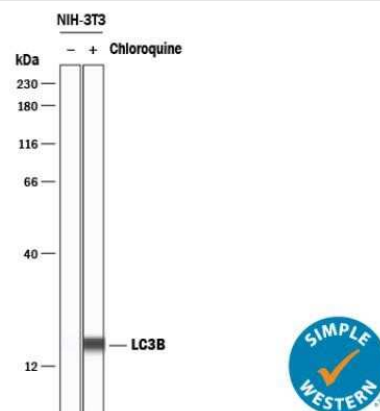
Immunocytochemistry/Immunofluorescence: LC3B Antibody (1251D) - Azide and BSA Free [NBP2-80830] - HeLa cells were treated with 50 μ M CQ (Chloroquine) overnight, fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-LC3B (1251d) [Catalog # NBP2-59800] at 5 μ g/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



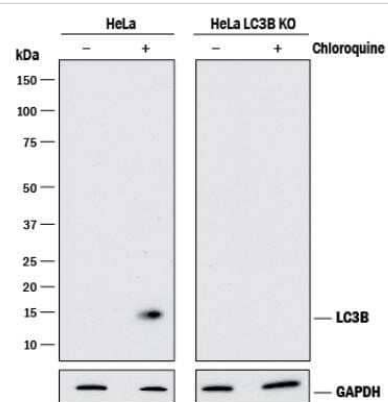
Immunohistochemistry-Paraffin: LC3B Antibody (1251D) - Azide and BSA Free [NBP2-80830] - Analysis of a FFPE (Formalin-Fixed Paraffin-Embedded) tissue section of mouse brain using anti-LC3B antibody (clone 1251D) [Catalog # NBP2-59800] at 5 μ g/ml concentration (1:200 dilution). The primary antibody binding to LC3 in cells was detected using HRP



Simple Western: LC3B Antibody (1251D) - Azide and BSA Free [NBP2-80830] - Lane view shows lysates of NIH-3T3 mouse embryonic fibroblast cell line untreated (-) or treated (+) with 50 μ M Chloroquine for 18 hrs, 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 LC3B Monoclonal Antibody (1251D) [Catalog# NBP2-59800]. 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 (1251D) - Azide and BSA Free [NBP2-80830] - HeLa human cervical epithelial carcinoma parental cell line and LC3B knockout HeLa cell line (KO) untreated (-) or treated (+) with 50 uM Chloroquine for 18 hrs. PVDF membrane was probed with 0.1 ug/mL of Rabbit Anti-LC3B Monoclonal Antibody (1251D) [Catalog# NBP2-59800] 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. This experiment was conducted under reducing conditions. Image from the standard format of this antibody.





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Products Related to NBP2-80830

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

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