

Product Datasheet

LC3B Antibody R-155-100

Unit Size: 0.1 ml

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

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R-155-100

LC3B Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with 0.1 ml deionized.
Purity	Unpurified
Buffer	Whole antisera
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	81631
Gene Symbol	MAP1LC3B
Species	Human, Rat
Reactivity Notes	Human, rat. Expected cross-reactivity based on antigen sequence identity: Mouse (100%), Rat (100%). The Other species not yet tested.
Marker	Autophagosome Marker
Immunogen	A synthetic peptide (FEQRVEDVRLIC) corresponding to the N-terminal of human MAP1LC3 B (MAP1LC3B, APG8b) protein conjugated to Blue Carrier Protein has been used as the immunogen.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000
Application Notes	CAUTION: Ref.3 has shown that the protein is cleaved at Lys-121 but Ref.5 has shown that the cleavage site is at Gly-119 as in other mammalian orthologs.

Publications

Herberg S, Shi X, Johnson MH et al. Stromal Cell-Derived Factor-1beta Mediates Cell Survival through Enhancing Autophagy in Bone Marrow-Derived Mesenchymal Stem Cells. PLoS One 2013-01-01 [PMID: 23472159] (WB, Mouse)

Pilchowski R, Stohr R, von Eggeling F et al. Specific protein patterns characterize metastatic potential of advanced bladder cancer. J Urol. 2011-08-01 [PMID: 21683396]

Tanida I et al. J. Biol. Chem. 279:47704-47710. 2004-01-01 [PMID: 15355958]

Tanida I et al. Int. J. Biochem. Cell Biol. 36:2503-2518. 2004-01-01 [PMID: 15325588]

Yang Y-S et al. Endocr. Relat. Cancer 10:621-627. 2003-01-01 [PMID: 14713272]

Difilippantonio S et al. Eur. J. Cancer 39:1936-1947. 2003-01-01 [PMID: 12932674]

He H et al. J. Biol. Chem. 278:29278-29287. 2003-01-01 [PMID: 12740394]

Ota,T. Nat. Genet. 36 (1), 40-45. 2004-01-01 [PMID: 14702039]

Tanida I, Sou YS, Ezaki J, Minematsu-Ikeguchi N, Ueno T, Kominami E. HsAtg4B/HsApg4B/autophagin-1 cleaves the carboxyl termini of three human Atg8 homologues and delipidates microtubule-associated protein light chain 3- and GABAA receptor-associated protein-phospholipid conjugates. J Biol Chem. 279(35):36268-76. 2004-08-27 [PMID: 15187094]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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