

Product Datasheet

Myosin Light Chain 2 Antibody (3B2) - BSA Free NBP1-30249

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-30249

Updated 9/9/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-30249



NBP1-30249**Myosin Light Chain 2 Antibody (3B2) - BSA Free**

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B2
Preservative	0.02% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	PBS (pH 7.4), 10% Glycerol
Target Molecular Weight	19 kDa

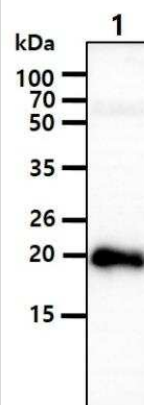
Product Description	
Description	Novus Biologicals Mouse Myosin Light Chain 2 Antibody (3B2) - BSA Free (NBP1-30249) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Myosin Light Chain 2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4633
Gene Symbol	MYL2
Species	Human, Mouse, Xenopus
Reactivity Notes	Xenopus reactivity reported in scientific literature (PMID: 23727888). Mouse reactivity reported in scientific literature (PMID: 28430962).
Immunogen	Recombinant human Myosin Light Chain 2 (1-166aa) purified from E. coli (NP_000423).

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, Flow Cytometry 1x10 ⁶ cells , ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	Use in IHC and ICC/IF was reported in a scientific publication (PMID: 23727888).

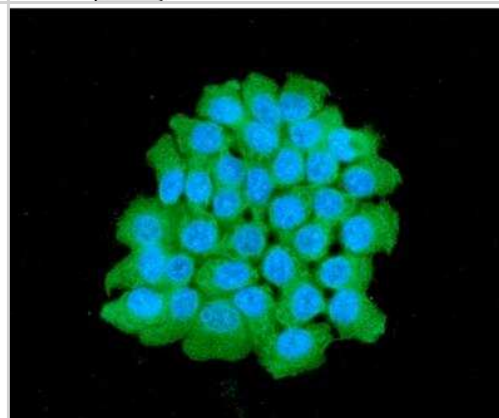


Images

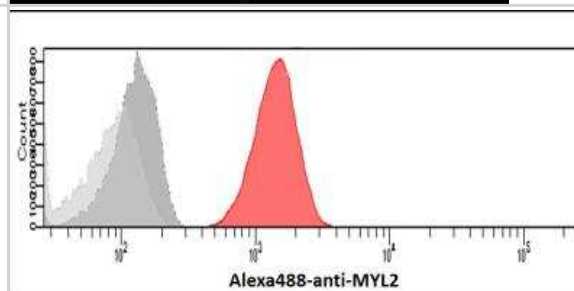
Western Blot: Myosin Light Chain 2 Antibody (3B2) [NBP1-30249] - The tissue lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MYL2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse heart tissue lysate



Immunocytochemistry/Immunofluorescence: Myosin Light Chain 2 Antibody (3B2) [NBP1-30249] - Analysis of MYL2 in A431 cells. The cell was stained at (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry: Myosin Light Chain 2 Antibody (3B2) [NBP1-30249] - Analysis of MYL2 in A431 cells. The cell was stained at 2-5ug for 1×10^6 cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



Publications

Cui C, Wang J, Qian D et al. Binary Colloidal Crystals Drive Spheroid Formation and Accelerate Maturation of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes ACS Appl Mater Interfaces. 2019-01-30 [PMID: 30614683] (FLOW, Human)

Details:

Citation using the DyLight 488 form of this antibody.

An M, Ryu DR, Won Park J et al. ULK1 prevents cardiac dysfunction in obesity through autophagy-mediated regulation of lipid metabolism. Cardiovasc. Res. 2017-04-17 [PMID: 28430962] (WB, Mouse)

Guo R, Liu G, Du M et al. Early ketamine exposure results in cardiac enlargement and heart dysfunction in Xenopus embryos. BMC Anesthesiol. 2016-04-19 [PMID: 27091482] (WB, Xenopus)

Samwer M, Dehne HJ, Spira F et al. The nuclear F-actin interactome of Xenopus oocytes reveals an actin-bundling kinesin that is essential for meiotic cytokinesis. EMBO J 2013-05-31 [PMID: 23727888] (IF/IHC, ICC/IF, Xenopus)



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

Products Related to NBP1-30249

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-30249

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

