

Product Datasheet

NMES1 Antibody - BSA Free

NBP1-98391

Unit Size: 100 ul

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: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-98391

Updated 4/14/2026 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/NBP1-98391



NBP1-98391

NMES1 Antibody - BSA Free

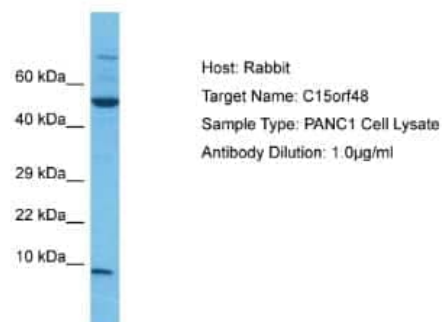
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	9 kDa

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	84419
Gene Symbol	C15ORF48
Species	Human, Mouse
Immunogen	The immunogen for this antibody is C15orf48 - N-terminal region. Peptide sequence VAAGGASSFAVYSLWKTDVILDRKKNPEPWETVDPTVPQKLITINQQWKP. The peptide sequence for this immunogen was taken from within the described region.

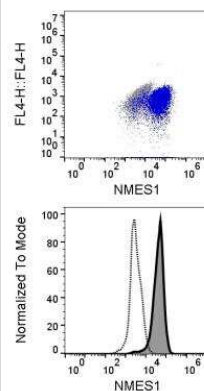
Product Application Details	
Applications	Western Blot, Flow Cytometry
Recommended Dilutions	Western Blot 1.0 ug/ml, Flow Cytometry
Application Notes	This NMES1 antibody is validated for Flow cytometry from a verified customer review.

Images

Western Blot: NMES1 Antibody [NBP1-98391] - Host: Rabbit. Target Name: C15orf48. Sample Tissue: Human PANC1 Whole Cell. Antibody at 1 ug/mL.



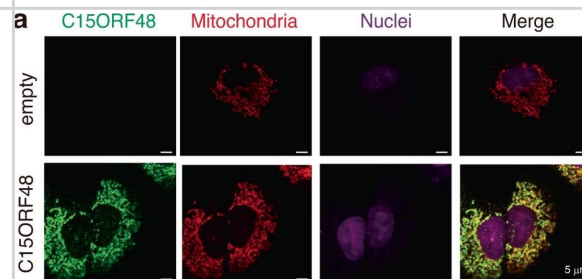
Flow Cytometry: NMES1 Antibody [NBP1-98391] - Anti-NMES1 antibody at 1:500 dilution. Cells were labeled with a FITC-conjugated secondary antibody. Top: unstained; grey; and NMES1-labeled; blue; cells. Bottom: NMES1 fluorescence with no primary antibody added; dotted line; and labeled; solid line; cells. Flow cytometry image submitted by a verified customer review.



Western Blot: NMES1 Antibody [NBP1-98391] - PANC1 Cell Lysate. Antibody at 1.0 ug/mL, Gel Concentration: 10-20%.



C15ORF48 expression activates AMPK-ULK1 signaling. a A549 cells stably expressing C15ORF48 (A549/C15ORF48) or the empty (A549/empty) vector were fixed and stained with anti-C15ORF48 antibody and MitoTracker. Nuclei were counter-stained with TO-PRO-3. Representative images are shown from three independent experiments. b A549/empty and A549/C15ORF48 cells were analyzed for mitochondrial membrane potential by staining with TMRM (30 nM) for 30 min. Median TMRM fluorescence intensities are shown as the mean \pm SD. Statistical significance was calculated using two-tailed unpaired Student's t test ($n = 3$, biological replicates). c A549/empty and A549/C15ORF48 cells were analyzed for intracellular ATP levels. ATP amount in a cell is shown as the mean \pm SD. Statistical significance was calculated using two-tailed unpaired Student's t test ($n = 3$, biological replicates). d A549/empty and A549/C15ORF48 cells were lysed and subjected to western blotting with indicated antibodies. Band intensity was measured, and quantitative ratios are shown. Data are representative of three independent experiments with three biological replicates. Image collected and cropped by CiteAb from the following open publication (<https://www.nature.com/articles/s41467-024-45206-1>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Takakura Y, Machida M, Terada N et al. Mitochondrial protein C15ORF48 is a stress-independent inducer of autophagy that regulates oxidative stress and autoimmunity bioRxiv 2023-10-20 (Flow Cytometry, Mouse)

Li C, Tang Y, Li Q et al. The prognostic and immune significance of C15orf48 in pan-cancer and its relationship with proliferation and apoptosis of thyroid carcinoma Frontiers in immunology 2023-03-09 [PMID: 36969231] (WB, Human)

Lee CQE, Kerouanton B, Chothani S et al. Coding and non-coding roles of MOCCI (C15ORF48) coordinate to regulate host inflammation and immunity Nature communications 2021-04-09 [PMID: 33837217] (WB, Mouse)



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 NBP1-98391

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
DCP00	CCL2/JE/MCP-1 [HRP]

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/NBP1-98391

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

