

Product Datasheet

Melatonin R1A/MT1/MTNR1A Antibody NBP1-71113-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-71113

Updated 7/28/2019 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/NBP1-71113



NBP1-71113-0.1ml

Melatonin R1A/MT1/MTNR1A Antibody

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 0.15M NaCl and 50% Glycerol
Target Molecular Weight	39 kDa

Product Description	
Host	Rabbit
Gene ID	4543
Gene Symbol	MTNR1A
Species	Human, Mouse, Rat
Specificity/Sensitivity	MTR1A Antibody detects endogenous levels of total MTR1A protein.
Immunogen	The antiserum was produced against synthesized peptide derived from human MTR1A. The immunogen region is located within amino acids 188 to 240.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, ELISA 1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunohistochemistry-Frozen 1:100-1:500
Application Notes	Use in Immunohistochemistry-Frozen and western blot reported in scientific literature (PMID 24365461)



Publications

Kim MJ, Choi GE, Chae CW et al. Melatonin-mediated FKBP4 downregulation protects against stress-induced neuronal mitochondria dysfunctions by blocking nuclear translocation of GR Cell death & disease 2023-02-21 [PMID: 36810730] (WB, ICC/IF, Human)

Kim JS, Jung YH, Lee HJ et al. Melatonin activates ABCA1 via the BiP/NRF1 pathway to suppress high-cholesterol-induced apoptosis of mesenchymal stem cells Stem cell research & therapy 2021-02-05 [PMID: 33546749] (WB, Human)

Fan Y, Liang X, Zheng B, Song L Melatonin Reduce Morphine-Induced Hyperalgesia and Tolerance of Rats via melatonin-MT1-PKC gamma Pathway. Research Square 2020-07-07

Ryu Vitaly, Zarebidaki Eleen, Albers H Elliott et al. Short photoperiod reverses obesity in Siberian hamsters via sympathetically induced lipolysis and Browning in adipose tissue. Physiology & Behavior 2017-07-08 [PMID: 28694154] (IHC-FrFI, Hamster)

Fan Y, Liang X, Wang R, Song L. Role of endogenous melatonergic system in development of hyperalgesia and tolerance induced by chronic morphine administration in rats. Brain Res. Bull. 2017-10-06 [PMID: 28988976] (WB, Rat)

Choi YJ, Habibi HR, Choi CY. Profiles of gonadotropin-inhibitory hormone and melatonin during the sex change and maturation of cinnamon clownfish, Amphiprion melanopus. Biochem. Biophys. Res. Commun. 2016-06-24 [PMID: 27208779] (IHC-P, Fish)

Corthell JT, Olcese J, Trombley PQ. Melatonin in the mammalian olfactory bulb. Neuroscience 2013-12-21 [PMID: 24365461] (IHC-Fr, 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

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/NBP1-71113

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

